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# Analyses of commercial feeding stuffs

James Edward Halligan

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*Dr. H. H. H. H.*  
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# Agricultural Experiment Station

OF THE

Louisiana State University  
and A. & M. College,

BATON ROUGE.

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ANALYSES

OF

COMMERCIAL  
FEEDING STUFFS

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J. E. HALLIGAN, B. S.

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BATON ROUGE:  
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1907.

# LOUISIANA STATE UNIVERSITY

## and A. and M. College.

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THE BULLETINS AND REPORTS will be sent free of charge to all farmers, on application to the Director of the Stations, Baton Rouge, La.

## COMMERCIAL FEEDING STUFFS.

J. E. HALLIGAN.\*

During the past season the following analyses of feed stuffs have been made at this Station:

Cotton seed meal.....	749
Rice bran.....	343
Rice polish.....	142
Wheat products.....	1,402
Molasses feeds.....	442
Corn chops.....	2,101
Corn and oat feeds.....	749
Hominy .....	42
Feed meal .....	65
Brewer's grains .....	46
Poultry feeds .....	323
Miscellaneous .....	65

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Total analyses .....6,469

For explanation of the terms protein, fat, carbohydrates, fiber, water and ash consult Bulletin 86 of this Station.

Copies of the Feed Stuff Law can be secured by applying to the Commissioner of Agriculture.

### COTTON SEED MEAL.

The Inter-State Cotton Seed Crushers' Association at its meeting at Jamestown May 21-23, 1907, adopted the following as a standard classification for cotton seed meal:

*Section 1.*—Choice Cotton Seed Meal must be finely ground, perfectly sound and sweet in odor, yellow, free from excess of lint and hulls, and by analysis must contain at least 8 per cent of Ammonia (41.15 per cent protein):

*Section 2.*—Prime Cotton Seed Meal must be finely ground, of sweet odor, reasonably bright in color, yellow, not brown or

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\*With the assistance of H. L. Green, B. S.; J. C. Summers, B. S.; R. Baus, B. S., and W. D. Morgan, B. S.



reddish, and by analysis must contain at least 7 1-2 per cent of Ammonia (38.50 per cent protein).

*Section 3.*—Good Cotton Seed Meal must be finely ground, of sweet odor, reasonably bright in color, and by analysis must contain at least 7 per cent of Ammonia (36 per cent protein).

*Section 4.*—Off Cotton Seed Meal. Any Cotton Seed Meal which is distinctly deficient in any of the requirements of prime quality, either in color, odor, texture or analysis, or all, shall be deemed Off Meal and should be sold by sample.

The meals in the following tables are classified according to the above standards except that the color and odor are not considered. There are some companies whose goods appear under more than one head. According to this classification, 490 meals analyzed choice, 185 prime, 39 good and 35 off.

There was a company which put out a meal that ran high in protein and low in fat. This meal was treated with naphtha to extract the oil and it showed a very fine mechanical condition.

### RICE BRAN.

It is almost impossible to manufacture rice bran and eliminate all the hulls, but it is poor and objectionable business to add rice hulls to rice bran. This addition of hulls lowers the value of rice bran for feeding purposes and on account of this adulteration many of our feeders are afraid to purchase this valuable by-product. Many of our large mills have large quantities of rice hulls on hand and they seem to find it hard to dispose of these hulls without introducing them into rice bran.

I heard that the States of Wisconsin and Pennsylvania were opposed to the sale of rice bran in their respective States, so I wrote them regarding this. Both States permit the sale of rice bran. Mr. Woll, chemist of the Wisconsin Experiment Station, says in a special bulletin that Southern mills are continually sending circulars to our feed dealers and jobbers, tempting them to handle low-grade rice products. Mr. Fuller, chemist of the Department of Agriculture of the State of Pennsylvania, says that, while the sale of rice bran is not prohibited in Pennsylvania, it comes within the provisions of the Feeding Stuffs Law. He is of the opinion, however, that a prohibitory clause should be incorporated into the law.

## DISCUSSION.

A good rice bran should contain 12.50 per cent of protein, 10 per cent of fat, not over 10 per cent of fiber and not over 9 per cent of ash, and it should not have a rancid odor. By perusing the analyses of rice brans in the following pages you will find very few brands up to the above standard. According to Dr. Browne, formerly chemist of the Louisiana Sugar Experiment Station, who made extensive investigations on rice products, the formula used for calculating adulteration in rice bran with hulls is as follows:

Per cent hulls= $3.33x$  (per cent fiber—10), assuming that the hulls carry 40 per cent fiber and the bran runs 10 per cent fiber.

A sample of rice bran with 30 per cent fiber would be considered as having 66.60 per cent hulls.

Example: Per cent hulls= $3.33x$  (30—10).

$$3.33 \times 20 = 66.60 \text{ per cent.}$$

The per cent of hulls given in this bulletin are figured by the above formula.

Many adulterated rice brans run up to their guarantee, yet they may be injurious to the digestive organs of the animal to which they are fed when the per cent of hulls is high.

Pure rice bran is a good feed and mill men are injuring future business by flagrant adulteration. Great care should be exercised in purchasing rice bran. This feed can be purchased from \$12 to \$14 per ton at the mills.

## RICE POLISH.

There were 142 samples of rice polish examined during the past season. Some of the samples contained grits and hulls.

When the percentage of grits is high the digestibility of the feed is lowered, as many of the grits pass through the animal undigested. A rice polish should contain 11 per cent of protein, 7 per cent of fat, 65 per cent of carbohydrates, 1-2 per cent of fiber and 3-5 per cent of ash.

Most of the rice mills sell this feed for \$20 a ton.

## WHEAT PRODUCTS.

Under this head come wheat bran, wheat middlings—sometimes called shorts—wheat mixed feed, which is a mixture of wheat bran and wheat middlings in varying proportions, and

shipstuff, which is generally a finely ground wheat product and is sometimes adulterated with ground corn cobs, corn bran, oat hulls, etc.

There were a few samples of wheat bran adulterated with corn bran, oat hulls, light oats and weed seeds. Some samples contained screenings.

There are some wheat feeds put out under trade names, and, while they reached their guarantees, in many cases, the consumer in buying these feeds pays fully as much as for the pure article. Many of these wheat feeds are so finely ground that it is impossible to detect adulteration with the naked eye. The purchaser should demand a guarantee of 15 per cent of protein on wheat bran, 17 per cent of protein on wheat middlings and 16 per cent of protein on wheat mixed feed. Any wheat feeds carrying less than the above standards should be avoided. There are some wheat feeds reported in the following pages that run as low as 10 per cent protein.

### MOLASSES FEEDS.

There was a large quantity of this class of goods consumed in this State during the past season. Some of the samples showed poor mechanical mixture. It is necessary for the manufacturer to dry these feeds sufficiently to prevent decomposition. There were a few shipments where fermentation set in and spoiled the feed. Most of the molasses feeds found on our market are of good quality. The analyses of these feeds show a variation of 6.13 per cent to 22.31 per cent protein, 0.54 per cent to 8.22 per cent fat, 5.80 per cent to 20.86 per cent fiber and 8.03 per cent to 17.15 per cent water.

The feeder should avoid shipments that are not in a good mechanical condition and feeds that smell rancid and contain over 12 per cent of moisture.

### CORN CHOPS.

There were 2,101 shipments of corn chops analyzed during the past season. Some of the samples were adulterated with corn cobs and many of these feeds were composed of very inferior corn. There were a few samples that showed signs of previous fermentation. A sample of bright sweet corn chops and a sample that was fermented were analyzed to find out if a chemical

analysis would show this fermented condition. No. 1—Bright, sweet sample: No. 2—Fermented sample.

	Protein.	Fat.	Carbohy- drates.	Fiber.	Water.	Ash.
No. 1	8.63	3.61	73.90	1.93	10.52	1.41
No. 2	8.81	3.41	73.39	2.15	10.95	1.29

The above analyses show that in this case the chemical analysis did not indicate whether or not the corn chops was fermented.

The addition of corn cobs lowers the protein and fat and increases the fiber. Corn chops should carry 9 per cent of protein and they should be dry, clean, should smell sweet and should be free from fermentation and adulteration.

### CORN AND OAT FEEDS.

These feeds are made of mixtures of factory by-products or waste products. Some of the brands are fortified with dried brewers' grains, alfalfa, gluten feed and other substances to bring up their protein content. These feeds seem to find a ready market in Louisiana. Some of the samples failed to meet their guarantees. The results reported in the following tables show that these feeds vary from 6.50 per cent to 15.60 per cent of protein, from 2.05 per cent to 6.80 per cent of fat, and from 6.69 per cent to 24.25 per cent of fiber.

The purchaser should demand a feed containing not less than 9 per cent protein, 3.50 per cent fat, and it should not contain over 14 per cent fiber.

### BREWERS' GRAINS.

Dried brewers' grains are the kiln dried by-product from the manufacture of beer. This feed is unpopular in Louisiana, as some of the feeders think that rice hulls may be present. The samples received in this laboratory were free from rice hulls and were of good quality. This feed should contain 22 per cent of protein, 5 per cent of fat and not over 16 per cent of fiber. According to experiments conducted at the Massachusetts Experiment Station brewers' grains are an economical and satisfactory protein concentrate for cattle and for horses.



The samples analyzed this year run from 19.31 per cent to 28.44 per cent of protein, from 5.78 per cent to 7.37 per cent of fat, from 38.31 per cent to 45.52 per cent of carbohydrates and from 12.94 per cent to 17.90 per cent of fiber.

### POULTRY FEEDS.

The several poultry feeds are composed of mixtures of corn (whole or cracked), wheat, wheat by-products, oats, oat refuse, cotton seed meal, linseed meal, ground alfalfa, clover, peas, millet seeds, rye, sunflower seeds, barley, weed seeds, animal by-products, sweepings, shells, charcoal and other waste products. When the per cent of ash runs high it is generally due to the presence of grit or shells. A poultry feed should contain not less than 10 per cent of protein and 3 per cent of fat, and it should not run over 6 per cent of ash. It should be free from shells, grit and weed seeds. The purchaser should demand a feed that smells sweet and shows a good, clean appearance.

The following table may be found useful in compounding rations:

Feed—	One quart weighs	One pound measures
Cotton Seed Meal.....	1.5 lbs.	0.7 qts.
Brewers' Grains (Dried).....	0.6 "	1.7 "
Wheat Middlings (Flour).....	1.2 "	0.8 "
Wheat Middlings (Standard).....	0.8 "	1.3 "
Wheat Mixed Feed .....	0.6 "	1.7 "
Wheat Bran.....	0.5 "	2.0 "
Whole Oats.....	1.0 "	1.0 "
Ground Oats.....	0.7 "	1.4 "
Whole Wheat.....	1.9 "	0.5 "
Ground Wheat.....	1.7 "	0.6 "
Whole Corn.....	1.7 "	0.6 "
Corn Meal .....	1.5 "	0.7 "
Corn and Cob Meal.....	1.4 "	0.7 "
Corn Bran .....	0.5 "	2.0 "
Hominy Meal .....	1.1 "	0.9 "
Corn and Oat Feed (Victor).....	0.7 "	1.4 "
Whole Barley.....	1.5 "	0.7 "
Barley Meal.....	1.1 "	0.9 "
Whole Rye.....	1.7 "	0.6 "
Rye Meal.....	1.5 "	0.7 "
Rice Bran.....	0.8 "	1.3 "
Rice Polish.....	1.2 "	0.8 "
Molasses (Blackstrap).....	3.0 "	0.3 "

Much of the data in the above table was compiled by the Massachusetts Experiment Station.

A Table showing the Standards of Feed Stuffs found on the Louisiana market, arranged according to their Protein Content.

NAME OF FEED	PROTEIN	FAT	Carbo- hydrates	FIBER	ASH
Cotton Seed Meal (choice).....	41.15	7-10	23-27	6-8	6.20-7.50
Cotton Seed Meal (prime) .....	38.50-41.15	7-10	23-27	6-8	6.20-7.50
Cotton Seed Meal (good).....	36-38.50	7-10	27	9-12	6-7
Cotton Seed Meal (off).....	17-36	4.50-10	27-31	20-25	5
Brewers' Grains (dried) .....	22	5-7.40	40-45	12.50-16.00	3-4.30
Wheat Middlings (Shorts).....	17-19	5	55	7	4-4.50
Wheat Mixed Feed.....	16-18	4	55	8	5
Wheat Bran .....	15-17	4	53	10	6
Alfalfa Meal .....	15	1.5-4	33	25	9-10
Rye Feed .....	14.8	2.8	64	4	3
Rice Bran (good quality) .....	12.50	8-10	49	10	9
Oats.....	11	4	59	8-10	3-3.50
Barley .....	11	1.7	66	6	2-3
Rice Polish .....	11	7	65	1-2	3-5
Hominy Meal.....	10	7.5	64	4-5	2.5
Rice Bran (16% hulls).....	9.8	9.9	44	14.8	11.4
Feed Meal .....	9.50	6.80	63.50	3-6	2-3
Corn Chops .....	9.00	3.50	72	2	1.30
Corn Bran .....	9	4.50	60	11	2
Corn and Oat Feed .....	7.50-10	3-5	60	10-17	3-5
Cotton Seed Hulls .....	4-6	2-3	33	40-46	2.8
Molasses (Blackstrap).....			65.9		9.3
<i>POULTRY FEEDS—</i>					
Blood Meal .....	84				
Beef Scraps .....	60	9.50			
Meat and Bone Meal .....	40	10			
Bone Meal .....	26				
Mash .....	15	4			6
Scratching Grains.....	10	3	60		6

Table Showing Results of Analyses of Feed Stuffs and Approximate  
of the Experiment Station

NAME OF FEED	Carbohydrates in Pounds		PROTEIN in Pounds	
	Amount	Valu- ation at 1c per lb.	Amount	Valua- tion at 2½c per lb.
Alfalfa Hay .....	42.70	\$0.43	14.30	\$0.35
Bermuda grass hay .....	51.00	0.51	10.70	0.27
Brewers' grains.....	45.60	0.46	23.50	0.59
Corn .....	70.40	0.70	10.30	0.26
Cow pea hay.....	41.20	0.41	14.40	0.36
Crab grass hay .....	41.00	0.41	6.90	0.18
Cotton seed .....	24.70	0.25	18.40	0.46
Cotton seed meal (high grade).....	23.10	0.23	44.00	1.10
Cotton seed meal (medium grade)....	26.40	0.26	39.00	0.97
Cotton seed meal (low grade).....	30.30	0.30	25.80	0.65
Hominy chops .....	64.50	0.65	9.80	0.25
Lespedeza hay .....	39.00	0.39	13.80	0.35
Timothy hay .....	45.00	0.45	5.90	0.15
Molasses (blackstrap).....	65.90	0.66	.....	.....
Oats .....	59.70	0.60	11.80	0.29
Peanut hay .....	42.70	0.43	10.70	0.27
Rice bran (15 per cent hulls).....	44.50	0.45	9.90	0.25
Rice polish .....	64.30	0.64	11.10	0.28
Rough rice .....	64.30	0.64	7.40	0.18
Wheat bran .....	53.90	0.54	15.40	0.38
Shorts .....	60.40	0.60	15.60	0.39
Sorghum silage .....	15.30	0.15	0.80	0.02
Sugar beet .....	10.50	0.11	1.60	0.04
Sweet potatoes .....	24.70	0.25	1.50	0.04
Corn silage .....	11.00	0.11	1.70	0.04



mate Comparative Valuations Made at the Chemical Laboratory  
tion, Baton Rouge, La.

FAT in Pounds		DIGESTIBLE FIBER in Pounds.		TOTAL VALUATION Per	
Amount	Valua- tion at 2½c per lb	Amount	Valua- tion at 1c per lb.	100 Lbs.	Ton
2.20	\$0.06	10.70	\$0.11	\$0.95	\$19.00
2.90	0.07	.....	.....	0.85	17.00
5.50	0.14	5.90	0.06	1.25	25.00
5.00	0.13	1.30	0.01	1.10	22.00
2.50	0.07	9.20	0.09	0.84	16.80
1.60	0.04	21.20	0.21	0.84	16.80
19.90	0.50	17.60	0.18	1.39	27.80
8.00	0.20	.....	.....	1.53	30.60
7.80	0.19	.....	.....	1.42	28.40
6.90	0.17	.....	.....	1.12	22.40
8.30	0.21	.....	.....	1.11	22.20
3.70	0.09	12.30	0.12	0.95	19.00
2.50	0.06	15.10	0.15	0.81	16.20
.....	.....	.....	.....	0.66	13.20
5.00	0.13	2.80	0.03	1.05	21.00
4.60	0.12	12.30	0.12	0.94	18.80
9.90	0.25	1.90	0.02	0.97	19.40
5.80	0.14	0.80	0.08	1.07	21.40
2.60	0.07	2.00	0.02	0.91	18.20
4.00	0.10	....	....	1.02	20.40
4.00	0.10	1.70	0.02	1.11	22.20
0.30	0.01	....	....	0.18	3.60
0.10	0.00	0.90	0.01	0.16	3.20
0.40	0.01	....	....	0.30	6.00
0.80	0.02	3.70	0.04	0.21	4.20

Table showing Results of Analyses of Feed Stuffs and Approximate  
of the Experiment Station

NAME OF MANUFACTURER	BRAND
Valley Milling Co. ....	Delta .....
Ralston Purina Co. ....	Purina .....
American Cereal Co. ....	Victor corn and oats .....
The Great Western Cereal Co. ....	Boss corn and oats .....
Ralston Purina Co. ....	Good Luck .....
Ralston Purina Co. ....	Peerless feed .....
Corno Mills Co. ....	Corno chick feed .....
Ralston Purina Co. ....	Scratch size .....
The Valley Milling Co. ....	Acme chicken .....
B. F. Glover & Son Com. Co. ....	N. B. chicken feed .....
The Corno Mills Co. ....	Corno H. & M. ....
Ralston Purina Co. ....	Protena dairy .....
The Corno Mills Co. ....	Creamo dairy .....
Ralston Purina Co. ....	Protena alfalfa feed .....
Ralston Purina Co. ....	Peerless alfalfa feed .....
Alfalfa Product Co. ....	Alfalfa lass .....
Lawrence & Hamilton .....	Stafolife .....
Nutriline Feed & Oil Co. ....	Nutriline dairy .....
Nutriline Feed & Oil Co. ....	Nutriline stock feed .....
American Milling Co. ....	Sucrene dairy feed .....
Atlas Feed Pro. & Milling Co. ....	Sugar feed .....

mate Comparative Valuations Made at the Chemical Laboratory  
tion, Baton Rouge, La.

Carbohydrates in Pounds		PROTEIN in Pounds		FAT in Pounds		FIBER in Pounds Amount	Total Valuation per	
Amount	Valua- tion at 1c per lb.	Amount	Valua- tion at 2½c per lb	Amount	Valua- tion at 2½c per lb		100 Lbs.	Ton
61.50	\$0.62	8.00	\$0.20	4.00	\$0.10	12.50	\$0.92	\$18.40
59.60	0.60	14.00	0.35	4.80	0.12	8.00	1.07	21.40
62.20	0.62	8.00	0.20	3.20	0.08	11.50	0.90	18.00
62.30	0.62	8.20	0.21	4.00	0.10	10.50	0.93	18.60
57.00	0.57	11.20	0.28	3.30	0.08	12.00	0.93	18.60
54.30	0.54	8.40	0.22	2.90	0.07	15.20	0.83	16.60
70.20	0.70	10.50	0.26	3.00	0.07	3.50	1.03	20.60
69.50	0.70	10.20	0.26	3.10	0.08	3.50	1.04	20.80
60.20	0.60	8.50	0.21	2.90	0.07	3.90	0.88	17.60
65.00	0.65	9.50	0.24	3.50	0.09	6.50	0.98	19.60
58.10	0.58	9.30	0.23	3.20	0.08	13.30	0.89	17.80
40.00	0.40	20.10	0.50	5.50	0.14	16.20	1.04	20.80
51.20	0.51	13.30	0.34	2.90	0.07	20.00	0.92	18.40
56.50	0.57	10.50	0.26	3.30	0.08	12.50	0.91	18.20
58.50	0.59	11.20	0.28	3.20	0.08	12.30	0.95	19.00
43.00	0.43	12.50	0.32	0.90	0.02	19.50	0.77	15.40
52.00	0.52	11.30	0.28	5.50	0.14	10.50	0.94	18.80
45.50	0.46	18.50	0.46	7.50	0.19	8.90	1.11	22.20
55.20	0.55	14.50	0.36	7.00	0.18	6.50	1.09	21.80
47.60	0.48	18.20	0.45	5.30	0.13	12.20	1.06	21.20
52.80	0.53	8.00	0.20	2.50	0.06	12.50	0.79	15.80

## CHOICE COTTON

Name of Manufacturer or Jobber and Brand	Number of Samples Compositd	Station Number	Protein	
			% Found	% Guaranteed
Abbeville Cotton Oil Co., Abbeville, La. Cotton Seed Meal.	1	655	55.38	43.00
	1	1004	45.50	43.00
	2	1306	45.19	43.00
	1	1843	45.00	43.00
	5		47.78	43.00
Arcadia Cotton Oil Mill & Mfg. Co., Arcadia, La. Arcadia.	2	808	44.31	42.00
	3	1289	45.19	42.00
	3	1117	44.25	42.00
	1	1856	43.63	42.00
	9		44.34	42.00
Arkansas Valley Cotton Oil Co., Dardanelle, Ark. Cotton Seed Meal Feed.	1	1857	44.16	38.75
Centerville Cotton Oil Co., Centerville, Miss. Cotton Seed Meal.	2	756	43.19	38.75
	1	1073	43.19	38.75
	3		43.19	38.75
Cinclare Cotton Oil Co., Cinclare, La. Cotton Seed Meal.	1	818	43.25	35.00
	1	1210	43.88	35.00
	1	1747	41.09	35.00
	3		42.74	35.00
Clay County Cotton Oil Co., West Point, Miss. Cotton Seed Meal.	4	939	43.69	41.00
	4	1031	43.91	41.00
	8		43.80	41.00
Cotton Seed Meal				
	2	1025	42.94	38.75
	1	896	40.56	38.75
	3		41.75	38.75

\* The color and odor are not considered in grading these meals.

## SEED MEAL.\*

Fat		Carbohydrates		Fiber		Water	Ash
% Found	% Guar- anteed	% Found	% Guar- anteed	% Found	% Guar- anteed	% Found	% Found
2.09	12.00	14.02	20.00	10.68	4.00	9.72	8.11
12.41	12.00	20.25	20.00	7.87	4.00	8.29	5.68
9.53	12.00	22.41	20.00	9.09	4.00	7.96	5.82
11.00	12.00	21.60	20.00	8.55	4.00	7.97	5.88
8.76	12.00	19.57	20.00	9.04	4.00	8.48	6.37
8.68	8.00	24.22	15.00	6.64	10.00	9.48	6.67
8.62	8.00	23.00	15.00	9.00	10.00	7.58	6.61
8.98	8.00	23.10	15.00	7.82	10.00	9.18	6.67
7.35	8.00	23.72	15.00	9.30	10.00	9.00	7.00
8.41	8.00	23.26	15.00	8.19	10.00	9.06	6.74
9.70	8.00	24.41	25.00	6.05	9.50	8.65	7.03
8.27	8.20	26.14	25.00	7.34	9.50	8.74	6.32
10.67	8.20	23.00	25.00	8.95	9.50	7.55	6.64
9.47	8.20	24.57	25.00	8.15	9.50	8.14	6.48
9.43	8.00	23.49	20.00	7.05	10.00	9.19	7.59
9.92	8.00	22.47	20.00	8.61	10.00	7.58	7.54
7.81	8.00	24.46	20.00	11.53	10.00	8.13	6.98
9.06	8.00	23.47	20.00	9.06	10.00	8.30	7.37
9.70	8.00	22.71	25.00	8.90	8.00	8.36	6.64
9.92	8.00	23.69	25.00	8.65	8.00	6.98	6.85
9.81	8.00	23.20	25.00	8.78	8.00	7.67	6.74
9.17	8.00	24.24	25.00	9.23	9.50	7.27	7.15
9.17	8.00	26.22	25.00	8.42	9.50	9.01	6.62
9.17	8.00	25.23	25.00	8.83	9.50	8.14	6.88

## CHOICE COTTON

Name of Manufacturer or Jobber and Brand	Number of Samples Compositd	Station Number	Protein	
			% Found	% Guar-anteed.
Conway Cotton Oil & Gin Co., Conway, Ark. Cotton Seed Meal Feed.	3	907	45.19	40.00
Cotton Seed Meal Feed.	2	910	44.81	44.00
DeSoto Cotton Oil Co., Mansfield, La. Cotton Seed Meal.	1 2 1 3 3	1988 781 1840 1459 1094	42.75 39.43 43.44 42.00 44.31	41.89 41.89 41.89 41.89 41.89
Average .....	10		42.39	41.89
Hazlehurst Oil Mill & Fertilizer Co., Hazlehurst, Miss. Imperial Cotton Seed Feed Meal.	3 13 21 19 17 5 14 4 6 9 17 2 13 9 2 5	646 858 924 978 1113 1159 1276 1351 1429 748 1561 1669 1876 1770 2053 2102	40.50 45.75 41.94 46.88 45.44 44.75 44.87 45.19 41.13 44.59 44.69 46.56 43.06 44.81 45.31 39.75	40.00 40.00 40.00 40.00 40.00 40.00 40.00 40.00 40.00 40.00 40.00 40.00 40.00 40.00 40.00 40.00
Average .....	159		44.07	40.00
Hope Cotton Oil Co., Hope, Ark. Cotton Seed Meal Feed.	7 2	1148 1319	46.75 46.63	41.00 41.00
Average .....	9		46.69	41.00
Cotton Seed Meal Feed.	3	1805	45.15	38.75
Independent Cotton Oil Co., Columbus, Miss. Cotton Seed Meal.	1	1212	42.34	38.00

\* The color and odor are not considered in grading these meals.



## SEED MEAL.\*

Fat		Carbohydrates		Fiber		Water	Ash
% Found	% Guar- anteed	% Found	% Guar- anteed	% Found	% Guar- anteed.	% Found	% Found
11.69	9.00	22.50	26.00	5.25	8.00	8.39	6.98
11.60	9.00	22.30	27.00	5.14	7.50	9.23	6.92
8.95	8.02	23.51	23.16	8.85	10.55	9.65	6.29
9.42	8.02	25.75	23.16	9.77	10.55	9.72	5.91
8.86	8.02	24.27	23.16	9.00	10.55	7.73	6.70
9.64	8.02	24.56	23.16	8.55	10.55	8.87	6.38
9.08	8.02	23.27	23.16	7.97	10.55	8.43	6.94
9.19	8.02	24.27	23.16	8.83	10.55	8.88	6.44
7.36	8.00	25.22	24.00	11.14	5.00	9.22	6.56
8.58	8.00	21.14	24.00	9.10	5.00	9.23	6.20
8.44	8.00	24.31	24.00	10.56	5.00	8.56	6.19
8.02	8.00	23.20	24.00	6.66	5.00	8.84	6.40
8.61	8.00	23.13	24.00	8.29	5.00	8.09	6.44
8.13	8.00	23.30	24.00	8.55	5.00	8.91	6.36
9.94	8.00	22.05	24.00	9.52	5.00	7.10	6.52
10.18	8.00	20.53	24.00	8.76	5.00	8.57	6.77
8.90	8.00	23.95	24.00	10.18	5.00	9.31	6.53
8.50	8.00	26.69	24.00	6.55	5.00	7.35	6.32
8.98	8.00	22.12	24.00	8.56	5.00	9.23	6.42
6.72	8.00	25.83	24.00	6.32	5.00	8.29	6.28
8.90	8.00	22.89	24.00	9.55	5.00	9.50	6.10
8.73	8.00	22.69	24.00	9.62	5.00	7.65	6.50
9.11	8.00	21.95	24.00	8.10	5.00	9.27	6.26
11.16	8.00	22.77	24.00	10.48	5.00	9.62	6.22
8.76	8.00	23.25	24.00	8.87	5.00	8.67	6.38
8.61	10.00	24.09	27.00	4.90	8.00	8.46	7.19
8.56	10.00	23.72	27.00	5.67	8.00	8.23	7.19
8.59	10.00	23.90	27.00	5.28	8.00	8.35	7.19
9.10	8.00	24.87	25.00	6.28	9.50	7.77	6.83
9.14	8.00	25.25	25.00	8.67	9.00	7.84	6.76



## CHOICE COTTON

Name of Manufacturer or Jobber and Brand	Number of Samples Compositd	Station Number	Protein	
			% Found	% Guaranteed
Josey Miller Co., Beaumont, Texas. Cotton Seed Meal Feed.	1	1975	49.00	49.18
	1	1733	47.40	49.18
	2		48.20	49.18
	Average .....			
Kentwood Oil Mill & Mfg. Co., Kentwood, La. Cotton Seed Meal.	4	875	41.37	40.00
	1	1484	45.56	40.00
	6	699	42.31	40.00
	Average .....	11	43.08	40.00
LeCompte Cotton Oil Co., Ltd., LeCompte, La. Cotton Seed Meal.	5	941	43.94	42.93
	4	1118	44.06	42.93
	9		44.00	42.93
	Average .....			
Lexington Compress & Oil Co., Lexington, Miss. Cotton Seed Meal.	1	899	41.81	38.75
Little River Cotton Oil Co., Ashdown, Ark. Cotton Seed Meal.	1	1746	45.71	38.41
	1	1206	44.75	38.41
	2		45.23	38.41
Louisiana Cotton Oil Co., Shreveport, La. Cotton Seed Meal Feed.	1	852	43.50	40.00
	16	1000	42.94	40.00
	10	1139	43.50	40.00
	9	1252	44.13	40.00
	6	1635	43.81	40.00
	5	1430	42.88	40.00
	4	1499	42.63	40.00
	1	1959	45.25	40.00
	Average .....	52	43.58	40.00

\* The color and odor are not considered in grading these meals.

## SEED MEAL.\*

Fat		Carbohydrates		Fiber		Water	Ash
% Found	% Guar- anteed	% Found	% Guar- anteed	% Found	% Guar- anteed	% Found	% Found
9.85	12.38	20.28	15.81	5.63	5.86	9.10	6.14
12.25	12.38	22.26	15.81	4.82	5.86	6.97	6.30
11.05	12.38	21.27	15.81	5.23	5.86	8.03	6.22
11.77	8.00	24.26	25.00	6.35	3.00	9.73	6.52
10.98	8.00	20.53	25.00	6.57	3.00	9.77	6.59
12.07	8.00	25.55	25.00	5.79	3.00	7.98	6.30
11.61	8.00	23.44	25.00	6.24	3.00	9.16	6.47
12.13	9.05	22.61	26.83	5.96	7.80	7.93	7.43
10.50	9.05	22.66	26.83	6.01	7.80	9.39	7.38
11.31	9.05	22.63	26.83	5.99	7.80	8.66	7.41
11.37	8.00	22.47	25.00	8.59	9.50	9.08	6.68
8.48	8.90	25.39	25.35	5.75	9.12	7.94	6.73
8.32	8.90	26.35	25.35	6.25	9.12	7.14	7.19
8.40	8.90	25.87	25.35	6.00	9.12	7.54	6.96
11.01	9.40	23.02	26.60	6.37	9.00	8.97	7.13
9.81	9.40	22.89	26.60	8.76	9.00	8.26	7.34
9.28	9.40	24.97	26.60	7.71	9.00	7.10	7.44
10.48	9.40	23.84	26.60	6.91	9.00	7.03	7.61
8.61	9.40	24.22	26.60	8.15	9.00	8.17	7.04
11.11	9.40	22.43	26.60	7.04	9.00	9.35	7.19
8.66	9.40	23.09	26.60	9.45	9.00	9.15	7.02
6.13	9.40	24.93	26.60	6.75	9.00	9.45	7.49
9.39	9.40	23.67	26.60	7.64	9.00	8.44	7.28

## CHOICE COTTON

Name of Manufacturer or Jobber and Brand	Number of Samples Compositd	Station Number	Protein	
			% Found	% Guaranteed
Magnolia Oil Mill & Mfg. Co., Magnolia, Miss. Cotton Seed Meal.	1	822	41.81	40.00
	2	988	46.81	40.00
	4	1362	44.87	40.00
	4	1457	44.81	40.00
	2	1652	44.50	40.00
	2	1911	44.38	40.00
	1	2055	45.19	40.00
Average .....	16		44.62	40.00
Minden Cotton Oil and Ice Co., Minden, La. Cotton Seed Meal Feed.	4	1036	45.06	40.00
	3	1311	45.31	40.00
	2	1468	42.46	40.00
	Average .....	9	44.28	40.00
Natchez Oil Co., Natchez, Miss. Cotton Seed Meal.	1	1737	44.37	41.00
	5	698	41.19	41.00
	6	1168	43.19	41.00
	1	1208	45.81	41.00
	4	1395	43.25	41.00
	Average .....	17	43.56	41.00
New Orleans Cotton Oil Co., New Orleans, La. Cotton Seed Meal.	1	1012	43.88	40.00
	3	1324	44.31	40.00
	Average .....	4	44.09	40.00
Nutraline Feed and Oil Co., Crowley, La. Cotton Seed Meal. (Extracted with naptha.)	3	1549	47.43	42.00
People's Cotton Oil Co., Lafayette, La. Cotton Seed Meal Feed.	1	1062	44.87	41.25
	1	1385	41.13	41.25
	3	737	44.69	41.25
	Average .....	5	43.56	41.25

\* The color and odor are not considered in grading these meals.

## SEED MEAL.\*

Fat		Carbohydrates		Fiber		Water	Ash
% Found	% Guar- anteed	% Found	% Guar- anteed	% Found	% Guar- anteed	% Found	% Found
8.41	8.00	27.27	26.00	7.27	8.00	9.44	5.80
8.54	8.00	22.45	26.00	7.12	8.00	8.79	6.29
9.18	8.00	23.10	26.00	8.76	8.00	7.50	6.59
9.32	8.00	21.68	26.00	8.38	8.00	9.24	6.57
9.89	8.00	24.99	26.00	8.18	8.00	6.08	6.36
9.43	8.00	21.88	26.00	8.45	8.00	9.35	6.51
9.26	8.00	21.81	26.00	8.98	8.00	8.60	6.16
9.16	8.00	23.31	26.00	8.16	8.00	8.43	6.32
10.64	7.50	23.62	20.00	6.37	7.50	7.44	6.87
8.87	7.50	23.54	20.00	8.06	7.50	7.68	6.54
10.18	7.50	22.58	20.00	8.24	7.50	9.26	7.28
9.90	7.50	23.25	20.00	7.55	7.50	8.13	6.89
8.93	9.00	23.50	27.00	7.67	7.50	8.08	7.45
8.85	9.00	27.88	27.00	5.86	7.50	8.72	7.50
9.35	9.00	22.70	27.00	7.69	7.50	9.42	7.65
10.47	9.00	20.84	27.00	8.49	7.50	7.40	6.99
10.40	9.00	22.13	27.00	7.49	7.50	9.28	7.45
9.60	9.00	23.41	27.00	7.45	7.50	8.58	7.40
8.31	8.00	23.10	26.00	9.59	8.00	8.31	6.81
7.98	8.00	23.33	26.00	9.65	8.00	8.59	6.14
8.15	8.00	23.22	26.00	9.62	8.00	8.45	6.47
4.54	3.00	25.38	25.00	5.90	10.00	10.19	6.56
8.75	13.98	23.83	23.73	8.40	9.52	8.12	6.03
9.38	13.98	26.19	23.73	7.34	9.52	9.63	6.33
11.04	13.98	22.07	23.73	7.85	9.52	8.36	5.99
9.72	13.98	24.04	23.73	7.86	9.52	8.70	6.12

## CHOICE COTTON

Name of Manufacturer or Jobber and Brand	Number of Samples Compositd	Station Number	Protein	
			% Found	% Guaranteed.
Pickens Cotton Oil Co., Pickens, Miss. Cotton Seed Meal Feed.	3	759	41.81	38.75
Ruston Oil Mill & Fertilizer Co., Ruston, La. Cotton Seed Meal.	7 7 5 16 1 1	744 857 936 1100 1742 1955	43.00 43.38 44.19 44.06 43.06 42.69	41.00 41.00 41.00 41.00 41.00 41.00
Average .....	37		43.40	41.00
Standard Cotton Seed Oil Co., New Orleans, La. Cotton Seed Meal.	1 4 2 1 1	660 912 758 1214 1605	48.22 44.38 39.63 41.31 40.88	40.00 40.00 40.00 40.00 40.00
Average .....	9		42.88	40.00
Standard Guano and Chemical Mfg. Co., New Orleans, La. Cotton Seed Meal.	2	1381	42.13	40.00
Starksville Cotton Oil Co., Starksville, Miss. Cotton Seed Meal Feed.	1	1220	44.83	38.75
Stroud Cotton Oil Co., Stroud, Okla. Cotton Seed Meal Feed.	3 1 1 1	1640 1839 2056 2167	44.56 41.81 43.25 42.43	38.00 38.00 38.00 38.00
Average .....	6		43.01	38.00
St. Landry Cotton Oil Co., Opelousas, La. Cotton Seed Meal.	4 5 1	1251 944 844	42.13 39.06 44.94	40.00 40.00 40.00
Average .....	10		42.04	40.00

\* The color and odor are not considered in grading these meals.



## SEED MEAL.\*

Fat		Carbohydrates		Fiber		Water	Ash
% Found	% Guar- anteed	% Found	% Guar- anteed	% Found	% Guar- anteed	% Found	% Found
8.20	8.20	25.10	25.00	6.47	9.50	11.11	7.31
8.95	10.00	24.85	27.00	8.55	8.00	8.30	6.35
9.92	10.00	24.03	27.00	7.61	8.00	8.85	6.21
8.28	10.00	22.77	27.00	9.87	8.00	8.57	6.32
8.51	10.00	23.23	27.00	8.86	8.00	8.84	6.50
9.65	10.00	24.38	27.00	8.89	8.00	7.79	6.23
5.80	10.00	24.37	27.00	10.10	8.00	10.50	6.54
8.52	10.00	23.94	27.00	8.98	8.00	8.81	6.35
9.70	8.00	21.92	26.00	5.21	8.00	8.42	6.53
10.54	8.00	20.83	26.00	8.77	8.00	8.78	6.70
10.06	8.00	27.55	26.00	8.06	8.00	8.73	5.97
10.40	8.00	23.93	26.00	9.20	8.00	8.64	6.52
10.50	8.00	24.21	26.00	8.74	8.00	8.39	7.28
10.24	8.00	23.69	26.00	8.00	8.00	8.59	6.60
10.47	8.00	23.00	26.00	8.09	8.00	8.63	7.68
8.09	8.20	24.34	25.00	8.03	9.50	7.95	6.76
10.05	8.00	25.18	25.00	6.42	9.00	7.38	6.41
9.85	8.00	26.14	25.00	7.92	9.00	7.88	6.40
9.92	8.00	24.96	25.00	6.43	9.00	9.19	6.25
9.39	8.00	26.23	25.00	6.91	9.00	9.00	6.04
9.80	8.00	25.63	25.00	6.92	9.00	8.36	6.28
9.59	8.50	24.30	24.00	9.59	10.50	8.27	6.12
12.55	8.50	22.89	24.00	11.30	10.50	8.47	5.73
9.41	8.50	24.06	24.00	6.61	10.50	9.08	5.90
10.51	8.50	23.75	24.00	9.16	10.50	8.60	5.91

## CHOICE COTTON

Name of Manufacturer or Jobber and Brand	Number of Samples Compositd	Station Number	Protein	
			% Found	% Guaranteed
Sunset Cotton Oil Co., Sunset, La. Cotton Seed Meal.	1	812	39.50	40.00
	3	977	44.31	40.00
	3	1188	43.56	40.00
	1	1589	42.69	40.00
	8		42.52	40.00
Swaffield Murphy Com. Co., New Orleans, La. Cotton Seed Meal.	1	1736	42.00	38.00
	1	1734	41.50	38.00
	2		41.75	38.00
The Union Oil Co., Gretna, La. Cotton Seed Meal.	3	749	42.37	41.00
	5	864	41.38	41.00
	2	1391	47.00	41.00
	3	1104	44.69	41.00
	1	1950	45.81	41.00
	1	2062	48.68	41.00
	15		44.99	41.00
The Union Oil Co., Shreveport, La. Cotton Seed Meal Feed.	1	2165	42.00	41.00
	11	715	41.06	41.00
	15	961	42.43	41.00
	7	1182	43.38	41.00
	4	1471	41.44	41.00
	3	1625	43.38	41.00
	3	1904	39.81	41.00
	3	2031	42.56	41.00
	47		42.00	41.00

\* The color and odor are not considered in grading these meals.



## SEED MEAL.\*

Fat		Carbohydrates		Fiber		Water	Ash
% Found	% Guar- anteed	% Found	% Guar- anteed	% Found	% Guar- anteed	% Found	% Found
12.52	8.00	26.15	26.00	6.89	8.00	9.15	5.79
11.57	8.00	22.18	26.00	7.16	8.00	8.85	5.93
10.40	8.00	24.05	26.00	7.66	8.00	8.11	6.22
12.36	8.00	22.45	26.00	7.89	8.00	8.77	5.84
11.71	8.00	23.70	26.00	7.40	8.00	8.72	5.95
8.92	8.00	27.95	25.00	7.98	9.00	7.30	5.58
10.12	8.00	27.46	25.00	8.16	9.00	6.88	5.88
9.52	8.00	27.71	25.00	8.07	9.00	7.09	5.86
9.20	10.00	28.76	27.00	6.23	8.00	7.10	6.34
9.97	10.00	25.88	27.00	6.65	8.00	9.56	6.56
8.77	10.00	22.76	27.00	6.03	8.00	9.22	6.22
10.01	10.00	25.01	27.00	6.09	8.00	7.42	6.78
8.35	10.00	24.82	27.00	5.98	8.00	8.98	6.06
9.76	10.00	21.83	27.00	4.64	8.00	9.07	6.02
9.34	10.00	24.84	27.00	5.94	8.00	8.56	6.33
8.23	10.00	25.29	27.00	7.83	8.00	9.58	7.07
9.35	10.00	25.93	27.00	7.92	8.00	8.74	7.00
9.32	10.00	21.90	27.00	9.71	8.00	9.95	6.69
9.03	10.00	23.35	27.00	8.76	8.00	8.12	7.36
9.58	10.00	23.31	27.00	9.02	8.00	9.80	6.95
8.66	10.00	24.98	27.00	8.22	8.00	7.57	7.19
8.63	10.00	23.94	27.00	11.73	8.00	9.48	6.41
8.17	10.00	24.44	27.00	8.38	8.00	9.48	6.97
8.87	10.00	24.13	27.00	8.95	8.00	9.09	6.96

## PRIME COTTON

Name of Manufacturer or Jobber and Brand	Number of Samples Compositd	Station Number	Protein	
			% Found	% Guaranteed
Arkansas Valley Cotton Oil Co., Dardanelle, Ark. Cotton Seed Meal Feed.	3	3032	39.97	38.00
Bastrop Cotton Oil Co., Bastrop, La. Cotton Seed Meal Feed.	2	1204	41.50	40.00
	1	1749	38.75	40.00
	Average .....	3	40.13	40.00
Breaux Bridge Cotton Oil Co., Breaux Bridge, La. Cotton Seed Meal.	1	2094	39.69	40.90
Brookhaven Cotton Oil Co., Brookhaven, Miss. Cotton Seed Meal.	1	1026	42.75	38.00
	1	1194	39.31	38.00
	2	2144	40.94	38.00
	2	757	38.08	38.00
	Average .....	6	40.27	38.00
Buckeye Cotton Oil Co., Jackson, Miss. Cotton Seed Meal.	1	1536	39.87	40.25
Centerville Cotton Oil Co., Centerville, Miss. Cotton Seed Meal.	2	645	41.69	40.00
	1	814	40.38	40.00
	Average .....	3	41.04	40.00
Central Cotton Oil Co., Deeson, Miss. Cotton Seed Meal.	4	935	39.63	38.75
Columbia Cotton Oil Mill & Mfg. Co., New Orleans, La. Cotton Seed Meal.	1	678	41.53	37.87
	3	724	38.06	37.87
	2	1021	41.50	37.87
	3	1384	36.31	37.87
	2	1826	39.56	37.87
	2	2030	39.63	37.87
	1	2131	38.69	37.87
Average .....	14		39.33	37.87

\*The color and odor are not considered in grading these meals.

## SEED MEAL.\*

Fat		Carbohydrates		Fiber		Water	Ash
% Found	% Guar- anteed	% Found	% Guar- anteed	% Found	% Guar- anteed	% Found	% Found
9.87	8.00	23.10	25.00	10.32	9.00	9.41	7.33
9.71	7.50	21.68	15.00	10.75	10.00	9.14	7.22
11.85	7.50	23.17	15.00	11.30	10.00	8.10	6.83
10.78	7.50	22.43	15.00	11.02	10.00	8.62	7.02
9.13	.....	25.30	.....	10.12	.....	9.71	6.05
8.77	7.00	24.30	32.00	10.55	12.00	7.59	6.04
7.82	7.00	26.42	32.00	11.70	12.00	8.58	6.17
7.63	7.00	23.11	32.00	13.40	12.00	9.17	5.75
7.36	7.00	27.37	32.00	13.14	12.00	8.30	5.75
7.90	7.00	25.30	32.00	12.20	12.00	8.41	5.92
9.06	9.55	22.49	23.55	12.03	11.95	10.36	6.19
11.87	8.00	24.14	26.00	6.16	3.00	8.90	7.24
8.82	8.00	28.85	26.00	6.22	3.00	9.27	6.46
10.35	8.00	26.49	26.00	6.19	3.00	9.08	6.85
9.66	7.75	25.41	25.00	9.90	8.40	8.10	7.30
9.42	10.70	23.43	26.57	8.96	8.87	9.43	7.23
9.60	10.70	27.12	26.57	10.52	8.87	7.94	6.76
11.00	10.70	23.12	26.57	9.10	8.87	8.14	7.14
10.90	10.70	25.36	26.57	10.61	8.87	9.34	7.48
9.18	10.70	24.82	26.57	11.25	8.87	7.94	7.25
9.19	10.70	23.64	26.57	10.64	8.87	10.12	6.78
9.75	10.70	26.20	26.57	10.97	8.87	8.47	5.92
9.86	10.70	24.81	26.57	10.29	8.87	8.77	6.94

## PRIME COTTON

Name of Manufacturer or Jobber and Brand	Number of Samples Composed	Station Number	Protein	
			% Found	% Guaranteed
Concordia Cotton Oil Co., Vidalia, La. Cotton Seed Meal.	2	807	36.44	40.00
	3	976	38.06	40.00
	2	1419	41.13	40.00
	4	1514	39.56	40.00
	2	1656	40.44	40.00
	3	1905	41.19	40.00
Average .....	16		39.47	40.00
E. L. Erwin, Clinton, La. Cotton Seed Meal.	1	1610	38.56	38.00
	2	1068	42.25	38.00
Average .....	3		40.41	38.00
Eastman Oil Mills, Jonestown, Miss. Cotton Seed Meal.	5	1622	39.44	38.75
Feliciana Oil Co., St. Francisville, La. Cotton Seed Meal.	2	760	36.25	40.00
	1	1074	42.56	40.00
	3	1383	43.19	40.00
	1	1617	40.31	40.00
Average .....	7		40.58	40.00
Indianola Cotton Oil Co., Indianola, Miss. Cotton Seed Meal.	3	772	38.56	38.75
Jackson Cotton Oil Co., Jackson, Miss. Cotton Seed Meal.	1	900	39.75	41.00
	1	1477	41.63	41.00
	2	764	41.56	41.00
Average .....	4		40.99	41.00
Madison Cotton Oil Co., Tallulah, La. Cotton Seal Meal Feed.	1	853	44.44	40.00
	2	1547	36.00	40.00
	2	990	37.63	40.00
Average .....	5		39.35	40.00

\* The color and odor are not considered in grading these meals.

## SEED MEAL.\*

Fat		Carbohydrates		Fiber		Water	Ash
% Found	% Guar- anteed.	% Found	% Guar- anteed	% Found	% Guar- anteed	% Found	% Found
17.00	6.00	23.49	27.00	7.77	8.00	8.47	6.83
11.70	6.00	23.21	27.00	12.29	8.00	8.18	6.61
9.69	6.00	22.01	27.00	9.87	8.00	10.08	7.22
11.66	6.00	24.46	27.00	7.87	8.00	9.29	7.16
12.46	6.00	24.24	27.00	8.04	8.00	7.57	7.25
10.92	6.00	21.65	27.00	9.55	8.00	9.60	7.09
12.24	6.00	23.18	27.00	9.22	8.00	8.86	7.03
9.34	10.00	25.46	21.00	11.62	9.00	8.71	6.31
9.99	10.00	23.08	21.00	9.74	9.00	8.84	6.10
9.67	10.00	24.27	21.00	10.68	9.00	8.77	6.20
11.34	8.20	24.42	25.00	8.81	9.50	8.45	7.54
11.53	8.00	29.48	26.00	7.86	3.00	9.06	5.82
11.69	8.00	23.05	26.00	7.60	3.00	8.49	6.61
9.28	8.00	23.85	26.00	8.77	3.00	8.46	6.45
9.78	8.00	25.01	26.00	10.44	3.00	8.20	6.26
10.57	8.00	25.35	26.00	8.67	3.00	8.55	6.28
11.10	8.20	17.47	25.00	7.58	9.50	10.69	7.01
8.47	10.00	22.75	27.00	13.60	8.00	9.12	6.31
8.10	10.00	24.10	27.00	10.69	8.00	9.17	6.31
8.66	10.00	25.93	27.00	9.68	8.00	8.05	6.12
8.40	10.00	24.26	27.00	11.32	8.00	8.78	6.25
8.37	8.00	25.20	26.00	6.12	8.00	9.09	6.78
9.80	8.00	24.88	26.00	12.64	8.00	9.93	6.75
10.23	8.00	20.09	26.00	12.85	8.00	12.24	6.96
9.47	8.00	23.39	26.00	10.54	8.00	10.42	6.83



## PRIME COTTON

Name of Manufacturer or Jobber and Brand.	Number of Samples Compositd	Station Number	Protein	
			% Found	% Guaranteed
Mississippi Cotton Oil Co., Jackson, Miss. Cotton Seed Meal.	2	653	40.28	38.63
	2	716	37.38	38.63
	3	908	40.56	38.63
	1	1221	42.75	38.63
	1	1696	38.59	38.63
Average .....	9		39.91	38.63
Mixten City Oil Works, Mixten City, Miss. Cotton Seed Meal.	3	1155	38.69	38.75
Perkins Oil Co., Memphis, Tenn. Cotton Seed Meal Feed.	1	1478	39.19	38.00
Piedmont Oil Refg. Co., Farmerdale, Ala. Cotton Seed Meal Feed, 2nd Grade.	1	1969	40.50	38.00
	1	2071	40.25	38.00
Average .....	2		40.38	38.00
Planters' Oil Mill, Monroe, La. Cotton Seed Meal.	2	763	36.01	42.00
	1	664	41.16	42.00
	3	1020	38.50	42.00
	2	1548	40.06	42.00
	1	1858	40.44	42.00
Average .....	9		39.23	42.00
Port Gibson Oil Works, Port Gibson, Miss. Cotton Seed Meal.	6	703	37.75	38.00
	1	1475	39.50	38.00
	2	1024	39.87	38.00
	3	1310	40.63	38.00
	1	847	41.38	38.00
	1	1954	38.38	38.00
Average .....	14		39.58	38.00
Raccourci Cotton Oil Co., Batchelor, La. Cotton Seed Meal.	1	905	40.13	40.00

\* The color and odor are not considered in grading these meals.

## SEED MEAL.\*

Fat		Carbohydrates		Fiber		Water	Ash
% Found	% Guar- anteed	% Found	% Guar- anteed	% Found	% Guar- anteed	% Found	% Found
7.19	10.00	25.47	27.37	10.08	9.00	9.55	7.43
9.54	10.00	28.18	27.37	11.29	9.00	7.89	5.72
10.25	10.00	22.92	27.37	11.03	9.00	9.05	6.19
10.00	10.00	22.06	27.37	10.77	9.00	7.83	6.59
12.41	10.00	23.45	27.37	10.66	9.00	8.81	6.08
9.88	10.00	24.42	27.37	10.77	9.00	8.62	6.40
8.44	8.20	25.41	25.00	10.99	9.50	9.30	7.17
8.91	8.00	26.36	25.00	9.17	9.00	9.25	7.12
10.48	8.00	24.09	25.00	9.58	18.00	9.00	6.35
11.94	8.00	22.67	25.00	8.89	18.00	9.96	6.29
11.21	8.00	23.38	25.00	9.23	18.00	9.48	6.32
12.60	8.00	26.80	15.00	10.54	10.00	7.74	6.31
9.07	8.00	24.86	15.00	9.66	10.00	7.66	7.59
11.45	8.00	23.15	15.00	13.19	10.00	8.00	6.71
9.02	8.00	23.33	15.00	11.67	10.00	9.77	6.15
9.65	8.00	22.75	15.00	11.32	10.00	8.63	7.01
10.16	8.00	24.18	15.00	11.28	10.00	8.40	6.75
8.34	8.00	28.84	32.00	9.92	11.00	9.08	6.07
8.22	8.00	25.18	32.00	10.97	11.00	9.33	6.80
9.07	8.00	24.60	32.00	13.11	11.00	7.23	6.12
9.61	8.00	22.50	32.00	12.67	11.00	8.01	6.58
9.01	8.00	26.91	32.00	7.73	11.00	8.82	6.15
9.60	8.00	24.46	32.00	13.10	11.00	8.70	5.76
8.98	8.00	25.42	32.00	11.25	11.00	8.52	6.25
11.81	7.00	22.26	26.00	9.52	8.00	8.90	7.38



## PRIME COTTON

Name of Manufacturer or Jobber and Brand	Number of Samples Compositd	Station Number	Protein	
			% Found	% Guaranteed
Red River Cotton Oil Co., Alexandria, La. Cotton Seed Meal.	1	1609	38.31	30.00
	1	845	38.63	30.00
	8	930	38.69	30.00
	6	1042	41.10	30.00
	3	1350	39.44	30.00
	19		39.23	30.00
Cotton Seed Meal.	1	846	40.44	38.75
Sonia Cotton Oil Co., Alexandria, La. Cotton Seed Meal.	2	826	38.44	42.00
	7	1002	42.63	42.00
	4	1121	41.69	42.00
	1	2158	40.38	42.00
	14		40.78	42.00
Tensas Cotton Oil & Mfg. Co., St. Joseph, La. Cotton Seed Meal Feed.	1	679	40.19	40.00
	1	829	41.44	40.00
	1	1615	37.16	40.00
	3		39.60	40.00
The Union Oil Co., Bunkie, La. Bunkie Mill Cotton Seed Meal Feed.	5	945	39.75	33.00
	3	1125	39.38	33.00
	1	1855	36.84	33.00
	9		38.66	33.00
The Union Oil Co., Monroe, La. Cotton Seed Meal.	7	709	41.75	41.00
	3	890	39.88	41.00
	3	1119	40.13	41.00
	1	1490	41.44	41.00
	14		40.81	41.00
The Union Oil Co., Torras, La. Cotton Seed Meal.	1	904	42.06	41.00
	1	1390	41.06	41.00
	1	1712	39.11	41.00
	1	1977	39.81	41.00
	4		40.51	41.00
The Union Oil Co., Vidalia, La. Cotton Seed Meal.	2	811	36.81	41.00
	1	1389	41.81	41.00
	1	1865	40.19	41.00
	4		39.60	41.00

\* The color and odor are not considered in grading these samples.

## SEED MEAL.\*

Fat		Carbohydrates		Fiber		Water	Ash
% Found	% Guar- anteed	% Found	% Guar- anteed	% Found	% Guar- anteed	% Found	% Found
8.27	7.25	27.11	35.00	10.70	25.00	8.94	6.67
9.99	7.25	26.24	35.00	9.73	25.00	9.07	6.34
9.83	7.25	24.56	35.00	10.67	25.00	9.57	6.69
8.36	7.25	25.52	35.00	10.66	25.00	7.19	7.22
8.83	7.25	24.86	35.00	10.69	25.00	8.89	7.29
9.06	7.25	25.66	35.00	10.49	25.00	8.72	6.84
8.64	8.20	27.05	25.00	6.62	9.50	9.80	7.45
8.29	7.00	28.00	18.00	9.26	9.00	8.98	7.03
9.19	7.00	23.45	18.00	8.79	9.00	8.12	7.22
8.49	7.00	24.15	18.00	8.98	9.00	9.58	7.11
8.36	7.00	24.95	18.00	10.10	9.00	9.30	6.91
8.58	7.00	25.14	18.00	9.28	9.00	9.15	7.07
10.62	8.00	22.85	26.00	9.34	8.00	9.10	7.90
9.85	8.00	24.22	26.00	6.46	8.00	10.36	7.67
8.63	8.00	25.56	26.00	13.06	8.00	8.87	6.72
9.70	8.00	24.21	26.00	9.62	8.00	9.44	7.43
12.05	9.00	23.77	27.00	8.53	11.00	9.04	6.86
10.13	9.00	25.82	27.00	8.77	11.00	8.84	7.06
9.20	9.00	26.27	27.00	11.80	11.00	9.30	6.59
10.46	9.00	25.29	27.00	9.70	11.00	9.06	6.83
10.28	10.00	24.98	27.00	7.63	8.00	8.58	6.78
8.90	10.00	24.24	27.00	10.31	8.00	9.75	6.92
10.55	10.00	22.31	27.00	10.62	8.00	9.57	6.82
8.91	10.00	22.26	27.00	11.52	8.00	9.30	6.57
9.66	10.00	23.45	27.00	10.02	8.00	9.30	6.77
9.27	10.00	23.55	27.00	8.79	8.00	9.06	7.28
7.24	10.00	25.03	27.00	9.83	8.00	9.68	7.11
8.13	10.00	24.93	27.00	12.47	8.00	8.56	6.80
8.08	10.00	22.76	27.00	13.23	8.00	9.65	6.47
8.18	10.00	24.08	27.00	11.08	8.00	9.24	6.91
11.73	10.00	25.46	27.00	10.57	8.00	8.70	6.73
9.77	10.00	20.98	27.00	10.13	8.00	10.22	7.09
10.00	10.00	22.25	27.00	11.47	8.00	8.95	7.14
10.50	10.00	22.90	27.00	10.72	8.00	9.29	6.99

## GOOD COTTON

Name of Manufacturer or Jobber and Brand	Number of Samples Compositd	Station Number	Protein	
			% Found	% Guaranteed
Capital City Oil Mill, Baton Rouge, La. Cotton Seed Meal Feed.	2	766	36.11	40.00
	2	697	39.25	40.00
	2	1644	37.56	40.00
	6		37.64	40.00
Average .....				
Cotton Seed Meal.	1	1864	36.75	34.50
Colfax Cotton Oil Co., Colfax, La. Cotton Seed Meal.	2	970	36.81	40.00
De Soto Oil Co., Memphis, Tenn. Cotton Seed Meal Feed.	2	1668	37.88	38.00
Longbridge Cotton Oil Co., Longbridge, La. Cotton Seed Meal Feed.	7	1766	37.50	33.00
New Roads Oil Mill & Mfg. Co., New Roads, La. Cotton Seed Meal Feed.	2	823	37.34	37.62
	1	1207	37.37	37.62
	1	1745	35.56	37.62
	4		36.76	37.62
Average .....				
Phoenix Cotton Oil Co., Memphis, Tenn.	1	2070	36.75	38.00
Summit Gin Improvement Co., Summit, Miss. Cotton Seed Meal Feed.	1	1842	38.31	38.75
Washington Cotton and Oil Co., Washington, La. Washington Brand Cotton Seed Meal.	3	946	37.43	35.00
	3	1129	39.00	35.00
	6		38.22	35.00
Average .....				
J. Lindsay Wells, Memphis, Tenn. Cotton Seed Meal "Star."	1	1387	33.28	41.00
	3	1804	36.50	41.00
	3	1927	37.37	41.00
	1	2054	41.13	41.00
Average .....	8		37.07	41.00
The Union Oil Co., Gretna, La. Cotton Seed Meal.	1	656	38.25	41.00

\*The color and odor are not considered in grading these meals.

## SEED MEAL.\*

Fat		Carbohydrates		Fiber		Water	Ash
% Found	% Guar- anteed	% Found	% Guar- anteed	% Found	% Guar- anteed	% Found	% Found
6.13	7.00	38.80	26.00	12.08	8.00	8.75	6.13
6.85	7.00	25.82	26.00	12.73	8.00	9.19	6.16
7.37	7.00	26.77	26.00	15.33	8.00	6.69	6.28
6.78	7.00	27.80	26.00	13.38	8.00	8.21	6.19
7.33	6.50	25.27	28.00	15.05	12.00	9.23	6.37
12.88	8.00	24.05	26.00	11.11	8.00	8.56	6.59
9.64	8.00	25.56	25.00	11.55	9.00	8.17	7.15
8.12	9.00	26.91	27.00	12.26	11.00	8.43	6.78
12.37	12.50	25.31	25.99	9.24	9.00	8.98	6.76
12.70	12.50	23.59	25.99	11.48	9.00	8.09	6.77
9.01	12.50	27.43	25.99	14.12	9.00	7.30	6.58
11.36	12.50	25.45	25.99	11.61	9.00	8.12	6.70
11.85	8.00	25.33	25.00	10.64	9.00	9.59	5.84
11.35	8.20	25.67	25.00	8.77	9.50	8.22	7.68
13.35	8.00	24.21	25.00	11.06	12.00	8.25	5.70
8.62	8.00	26.39	25.00	11.47	12.00	8.56	5.96
10.99	8.00	25.30	25.00	11.26	12.00	8.40	5.83
7.95	9.00	28.23	25.00	15.26	7.00	9.24	6.04
10.93	9.00	25.21	25.00	12.06	7.00	8.35	6.95
11.35	9.00	22.00	25.00	13.05	7.00	9.35	6.88
10.28	9.00	22.92	25.00	8.56	7.00	9.67	7.44
10.13	9.00	24.59	25.00	12.23	7.00	9.15	6.83
7.48	10.00	26.35	27.00	12.87	8.00	8.45	6.61

## OFF COTTON

Name of Manufacturer or Jobber and Brand.	Number of Samples Compositd	Station Number	Protein	
			% Found	% Guaranteed
Boyce Cotton Oil & Mfg. Co., Boyce, La. Cotton Seed Meal.	1	1209	34.44	40.00
Caddo Cotton Oil Co., Shreveport, La. Cotton Seed Meal.	1	1040	26.13	
	1	1041	25.88	
Average .....	2		26.00	
Greensboro Cotton Oil Co., Greensboro, Ala. Cotton Seed Meal.	3	869	35.84	38.75
	1	1211	40.69	38.75
Average .....	4		38.22	38.75
Lake End Oil Mill, Lake End, La. Cotton Seed Meal.	1	1386	35.38	40.00
Lake Providence Cotton Oil Co., Lake Providence, La. Cotton Seed Meal.	1	1744	35.00	40.00
	1	1388	35.81	40.00
Average .....	2		35.40	40.00
Planters' Oil Mill, Tunica, Miss. Cotton Seed Meal Feed.	2	1197	34.75	38.75
Phoenix Oil Co., Walnut Ridge, Ark.	1	1588	35.06	38.75
Southern Cotton Oil Co., Memphis, Tenn.	2	819	19.56	23.00
	2	987	22.31	23.00
Average .....	4		20.93	23.00
Tennessee Fiber Co., Memphis, Tenn. Creamo Brand Cotton Seed Meal.	1	1081	20.63	22.00
	5	1167	24.00	22.00
	4	734	23.31	22.00
	1	666	19.03	22.00
	2	1677	21.81	22.00
	1	2134	18.44	22.00
Average .....	14		21.20	22.00
J. Lindsay Wells Co., Memphis, Tenn. Sunny South.	2	1192	25.75	24.00
	1	1964	21.97	24.00
	1	2166	20.94	24.00
Average .....	4		22.89	24.00



## SEED MEAL.

Fat		Carbohydrates		Fiber		Water	Ash
% Found	% Guar- anteed.	% Found	% Guar- anteed	% Found	% Guar- anteed	% Found	% Found
16.60	8.00	23.19	26.00	11.74	8.00	7.89	6.14
7.68		28.11		23.52		7.92	5.64
6.93		30.36		23.80		7.60	5.43
7.31		29.74		23.66		7.76	5.53
9.67	8.20	28.33	25.00	9.02	9.50	10.42	6.72
11.40	8.20	24.35	25.00	8.89	9.50	8.00	6.67
10.54	8.20	26.34	25.00	8.95	9.50	9.21	6.69
16.78	8.00	22.82	26.00	9.78	8.00	8.43	6.81
14.31	8.00	25.15	26.00	11.10	8.00	8.06	6.38
11.63	8.00	24.25	26.00	11.77	8.00	9.72	6.82
12.97	8.00	24.70	26.00	11.44	8.00	8.89	6.60
10.20	8.20	27.71	25.00	11.43	9.50	8.69	7.22
6.84	8.20	30.40	25.00	13.23	9.50	7.75	6.72
4.78	4.00	38.22	35.00	21.53	20.00	11.11	4.80
5.47	4.00	34.04	35.00	23.36	20.00	10.08	4.74
5.13	4.00	36.13	35.00	22.45	20.00	10.59	4.77
4.97	5.00	36.36	38.00	23.10	28.00	10.35	4.59
5.63	5.00	32.96	38.00	21.64	28.00	10.60	5.17
5.82	5.00	34.84	38.00	21.95	28.00	9.10	4.98
5.08	5.00	37.83	38.00	24.25	28.00	8.76	5.05
4.79	5.00	35.65	38.00	23.55	28.00	9.49	4.71
5.22	5.00	37.05	38.00	25.39	28.00	9.54	4.36
5.26	5.00	35.78	38.00	23.31	28.00	9.64	4.81
5.99	5.00	34.05	32.00	19.03	22.00	9.81	5.37
4.55	5.00	35.55	32.00	23.25	22.00	10.40	4.28
5.36	5.00	35.01	32.00	23.77	22.00	10.29	4.63
5.30	5.00	34.87	32.00	22.02	22.00	10.16	4.76



## RICE

Name of Manufacturer or Jobber and Brand	Number of Samples Composed	Station Number	Protein		
			% Found	% Guaranteed	
Abbeville Rice Milling Co., Abbeville, La. Rice Bran.	1	835	12.13	10.00	
	2	957	11.63	10.00	
	1	1369	11.38	10.00	
	Average .....	4		11.71	10.00
American Rice Mill, Crowley, La. Rice Bran.	2	771	5.94	7.50	
	4	942	7.44	7.50	
	1	1404	6.94	7.50	
	Average .....	7		6.79	7.50
Conover Rice M. Co., Ltd., Mermentau, La. Rice Bran.	2	753	11.88	9.00	
	1	1043	11.06	9.00	
	8	1145	12.00	9.00	
	2	1280	12.43	9.00	
	2	1464	11.19	9.00	
	1	1715	11.81	9.00	
	Average .....	16		11.73	9.00
Crowley Rice Milling Co., Crowley, La. Rice Bran.	1	820	12.13	13.12	
	4	1228	12.06	13.12	
	Average .....	5		12.10	13.12
	Rice Bran.	1	675	12.03	13.94
Donaldsonville Rice Mill, Donaldsonville, La. Rice Bran.	1	879	10.44	13.81	
	2	1086	9.56	13.81	
	1	1410	10.31	13.81	
	Average .....	4		10.10	13.81
	Rice Bran.	1	1084	10.56	13.88
Egan Rice Mill Co., Ltd., Egan, La. Rice Bran.	2	975	12.37	11.06	
Empire Rice Mill Co., New Orleans, La. Rice Bran.	3	739	12.25	11.39	
	3	884	11.31	11.39	
	8	1032	12.25	11.39	
	6	1229	13.69	11.39	
	1	1758	12.15	11.39	
	1	1974	13.38	11.39	
	1	2042	12.25	11.39	
	Average .....	23		12.47	11.39

## BRAN.

Fat		Carbohydrates		Fiber		Water	Ash	Hulls
% Found	% Guar- anteed	% Found	% Guar- anteed	% Found	% Guar- anteed	% Found	% Found	% Found
10.35	10.00	51.08	35.00	8.22	15.00	9.65	8.57	
10.52	10.00	45.93	35.00	10.01	15.00	11.22	10.69	
8.68	10.00	52.51	35.00	9.53	15.00	9.07	8.83	
9.85	10.00	49.85	35.00	9.25	15.00	9.98	9.36	None
4.17	5.32	39.78	40.00	25.19	25.00	10.39	14.53	
4.57	5.32	38.56	40.00	25.76	25.00	8.93	14.74	
3.55	5.32	41.09	40.00	24.83	25.00	8.65	14.94	
4.09	5.32	39.81	40.00	25.26	25.00	9.32	14.73	50.82
9.83	8.00	51.56	50.00	9.68	18.00	10.31	6.74	
11.53	8.00	42.43	50.00	15.95	18.00	9.27	9.76	
10.27	8.00	48.56	50.00	11.56	18.00	9.14	8.47	
12.16	8.00	47.69	50.00	11.78	18.00	7.26	8.68	
9.54	8.00	52.36	50.00	9.97	18.00	9.73	7.21	
7.61	8.00	49.29	50.00	13.03	18.00	8.71	9.55	
10.16	8.00	48.65	50.00	11.99	18.00	9.07	8.40	6.63
9.50	10.00	38.17	40.13	18.00	14.75	9.55	12.65	
10.37	10.00	47.23	40.13	12.33	14.75	8.83	9.18	
9.94	10.00	42.70	40.13	15.16	14.75	9.19	10.91	17.18
10.32	19.30	37.32	35.26	17.55	12.20	9.37	13.41	25.14
9.10	10.49	44.91	38.05	15.55	15.12	9.75	10.25	
7.78	10.49	43.06	38.05	18.96	15.12	8.75	11.89	
9.52	10.49	42.49	38.05	16.34	15.12	10.31	11.03	
8.80	10.49	43.49	38.05	16.95	15.12	9.60	11.06	17.05
9.43	4.20	41.80	62.75	18.58	4.73	8.10	11.53	28.57
10.93	10.87	52.37	48.64	7.94	12.87	9.84	6.55	None
9.47	10.50	49.52	44.80	10.53	12.50	9.39	8.84	
10.33	10.50	50.07	44.80	10.62	12.50	9.30	8.37	
10.15	10.50	44.43	44.80	12.93	12.50	9.24	11.00	
12.74	10.50	43.38	44.80	12.39	12.50	9.03	8.77	
10.58	10.50	47.29	44.80	12.34	12.50	8.14	9.50	
9.98	10.50	44.94	44.80	12.35	12.50	9.40	9.95	
12.89	10.50	42.58	44.80	11.80	12.50	9.59	10.89	
10.88	10.50	46.03	44.80	11.85	12.50	9.16	9.61	6.16

## RICE

Name of Manufacturer or Jobber and Brand	Number of Samples Composed	Station Number	Protein	
			% Found	% Guaranteed
The Eureka Rice Mill, Estherwood, La. Rice Bran.	1	810	13.19	10.50
	3	951	12.00	10.50
	1	1368	12.13	10.50
	Average .....	5	12.44	10.50
Gulf Rice Milling Co., Welsh, La. Rice Bran.	1	834	11.56	9.10
	4	932	10.50	9.10
	2	1217	12.06	9.10
	1	1534	11.00	9.10
	1	1759	12.00	9.10
Average .....	9		11.42	9.10
Gueydan Rice Milling Co., Gueydan, La. Rice Bran.	1	1596	14.16	11.94
Haspel & Davis, New Orleans, La. Rice Bran.	1	665	10.31	10.06
	2	726	11.19	10.06
	2	883	10.69	10.06
	1	1044	11.44	10.06
	2	1403	11.38	10.06
	1	1726	11.18	10.06
	1	2162	11.56	10.06
Average .....	10		11.11	10.06
Hunter Rice Mill, Crowley, La. Rice Bran.	3	1264	9.00	8.75
	1	1658	10.38	8.75
	Average .....	4	9.69	8.75
Ida Rice Mill, Rayne, La.	2	1023	11.38	11.37
Iota Rice Milling Co., Iota, La. Rice Bran.	1	1053	11.75	10.00
	2	1057	11.81	10.00
	Average .....	3	11.78	10.00
Jennings Rice Milling Co., Welsh, La. Rice Bran.	2	770	9.25	10.00
	2	972	12.25	10.00
	3	1200	13.06	10.00
	2	1659	12.63	10.00
Average .....	8		11.80	10.00

## BRAN.

Fat		Carbohydrates		Fiber		Water	Ash	Hulls
% Found	% Guar- anteed	% Found	% Guar- anteed	% Found	% Guar- anteed	% Found	% Found	% Found
11.45	7.92	45.04	53.41	11.30	9.18	9.94	9.08	
10.62	7.92	45.90	53.41	10.83	9.18	10.49	10.16	
9.96	7.92	47.52	53.41	11.88	9.18	9.03	9.48	
10.68	7.92	46.15	53.41	11.34	9.18	9.82	9.57	4.46
9.56	8.50	43.58	40.00	15.23	21.00	10.13	9.94	
8.44	8.50	45.72	40.00	15.10	21.00	9.37	10.87	
9.85	8.50	46.37	40.00	13.17	21.00	8.37	10.18	
8.88	8.50	46.29	40.00	13.27	21.00	10.25	10.31	
9.41	8.50	43.78	40.00	14.81	21.00	8.55	11.45	
9.23	8.50	45.15	40.00	14.32	21.00	9.33	10.55	14.39
12.75	14.75	45.86	45.41	9.91	9.52	7.99	9.33	None
9.45	12.00	42.10	45.57	16.68	11.40	8.99	12.53	
11.48	12.00	43.14	45.57	14.48	11.40	8.46	11.25	
10.77	12.00	41.69	45.57	15.78	11.40	10.35	10.72	
11.33	12.00	42.56	45.57	15.23	11.40	9.17	10.27	
9.84	12.00	44.47	45.57	15.22	11.40	9.35	9.74	
10.16	12.00	44.19	45.57	15.54	11.40	8.63	10.30	
11.92	12.00	41.87	45.57	13.94	11.40	9.38	11.33	
10.71	12.00	42.86	45.57	15.26	11.40	9.19	10.87	17.52
6.74	9.50	43.64	40.42	19.16	20.75	8.96	12.50	
5.83	9.50	44.68	40.42	16.60	20.75	7.99	14.52	
6.29	9.50	44.16	40.42	17.88	20.75	8.47	13.51	26.24
8.63	9.80	50.20	44.05	12.80	14.25	8.38	8.61	9.32
11.05	11.00	47.26	42.00	12.13	15.00	9.16	8.65	
11.64	11.00	46.48	42.00	12.56	15.00	8.40	9.11	
11.35	11.00	46.87	42.00	12.34	15.00	8.78	8.88	7.79
9.54	10.00	48.08	39.00	12.96	18.00	10.97	9.20	
11.87	10.00	44.76	39.00	12.46	18.00	9.42	9.24	
13.32	10.00	45.89	39.00	10.18	18.00	8.68	8.87	
9.12	10.00	46.97	39.00	13.09	18.00	8.03	10.16	
10.96	10.00	46.43	39.00	12.17	18.00	9.28	9.36	7.23

## RICE

Name of Manufacturer or Jobber and Brand	Number of Samples Compositd	Station Number	Protein	
			% Found	% Guaranteed
Jennings Rice Milling Co., Jennings, La. Rice Bran.	2	955	11.56	10.00
	3	1226	11.44	10.00
	2	1524	11.50	10.00
	1	1870	14.26	10.00
	Average .....	8	12.19	10.00
Jones Bros., Crowley, La. Rice Bran.	1	825	9.88	10.00
	3	1450	10.31	10.00
	1	1730	10.50	10.00
	Average .....	5	10.23	10.00
Lake Arthur Rice Milling Co., Lake Arthur, La. Rice Bran.	1	837	12.38	12.63
	2	1302	13.19	12.63
	1	1868	13.63	12.63
	Average .....	4	13.07	12.63
Lake Charles Rice Milling Co., Lake Charles, La. Rice Bran.	2	1016	11.50	8.00
Lawrence & Hamilton, New Orleans, La. Rice Bran.	4	933	9.69	12.00
	8	1237	9.63	12.00
	1	1607	13.75	12.00
	3	1918	10.88	12.00
	Average .....	16	10.98	12.00
Leona Rice Milling Co., New Orleans, La. Rice Bran.	3	1193	12.56	11.44
	4	1498	11.81	11.44
	1	1725	12.15	11.44
	1	2092	12.69	11.44
	1	2164	12.37	11.44
	Average .....	10	12.32	11.44
Levy's Rice Mill, New Orleans, La. Rice Bran.	3	1227	9.87	9.00
	3	1614	8.58	9.00
	1	2093	10.13	9.00
	2	2097	9.25	9.00
	Average .....	9	9.46	9.00
Louisiana Irrigation Mill Co., Crowley, La. Rice Bran.	2	809	11.81	8.00
	1	1407	10.69	8.00
	Average .....	3	11.25	8.00



## BRAN.

Fat		Carbohydrates		Fiber		Water	Ash	Hulls
% Found	% Guar- anteed	% Found	% Guar- anteed	% Found	% Guar- anteed	% Found	% Found	% Found
10.31	10.00	45.35	39.00	13.33	18.00	9.89	9.56	
9.74	10.00	44.89	39.00	14.38	18.00	9.03	10.52	
9.89	10.00	44.21	39.00	13.86	18.00	9.63	10.91	
13.12	10.00	47.72	39.00	9.15	18.00	8.70	7.05	
10.77	10.00	45.54	39.00	12.68	18.00	9.31	9.51	8.92
7.93	12.00	41.42	42.00	20.13	15.00	9.34	11.30	
8.36	12.00	45.91	42.00	14.12	15.00	10.73	10.57	
6.82	12.00	49.57	42.00	13.95	15.00	8.71	10.45	
7.71	12.00	45.63	42.00	16.07	15.00	9.59	10.77	20.21
10.33	11.70	49.65	43.61	9.94	18.00	10.31	7.39	
12.10	11.70	42.87	43.61	13.67	18.00	8.86	9.31	
11.57	11.70	44.08	43.61	13.70	18.00	7.63	9.39	
11.33	11.70	45.53	43.61	12.44	18.00	8.93	8.70	8.13
10.66	8.00	39.83	35.00	18.32	25.00	8.30	11.39	27.71
5.89	8.00	39.71	45.00	21.26	15.00	9.49	13.96	
6.24	8.00	41.88	45.00	19.79	15.00	8.92	13.54	
9.65	8.00	48.33	45.00	10.82	15.00	9.42	8.03	
6.83	8.00	40.74	45.00	19.58	15.00	9.35	12.62	
7.15	8.00	42.67	45.00	17.86	15.00	9.30	12.04	26.17
12.07	8.87	42.34	53.55	14.30	9.37	8.87	9.86	
10.05	8.87	51.01	53.55	10.61	9.37	8.86	7.66	
8.08	8.87	50.60	53.55	11.67	9.37	9.27	8.23	
12.53	8.87	44.35	53.55	11.21	9.37	9.17	10.05	
14.18	8.87	39.82	53.55	11.96	9.37	10.13	11.54	
11.38	8.87	45.63	53.55	11.95	9.37	9.25	9.47	6.49
7.30	8.35	42.34	44.00	19.31	18.00	8.20	12.98	
5.38	8.35	39.21	44.00	23.33	18.00	8.55	14.95	
7.02	8.35	43.17	44.00	19.68	18.00	8.71	11.29	
9.25	8.35	38.00	44.00	19.80	18.00	10.03	13.59	
7.24	8.35	40.68	44.00	20.55	18.00	8.87	13.20	35.13
8.70	10.00	48.83	40.00	11.13	20.00	10.88	8.65	
8.77	10.00	48.49	40.00	12.77	20.00	10.77	8.51	
8.74	10.00	48.66	40.00	1195.	20.00	10.82	8.58	6.49



## RICE

Name of Manufacturer or Jobber and Brand	Number of Samples Compositd	Station Number	Protein	
			% Found	% Guaranteed
Louisiana Irrigation Mill Co., Morse, La.	1	838	11.69	8.00
Rice Bran.	1	1054	11.50	8.00
	1	1313	11.50	8.00
Average .....	3		11.56	8.00
Louisiana Irrigation Mill Co., Jennings, La.	1	839	11.44	8.00
Rice Bran.	3	1286	13.06	8.00
Average .....	4		12.25	8.00
Louisiana Irrigation Mill Co., Roanoke, La.	1	1051	11.81	8.00
Rice Bran.				
Morse Mill Co., Ltd., Morse, La.	1	831	10.13	9.62
Rice Bran.	1	1077	11.06	9.62
Average .....	2		10.60	9.62
Mutual Rice Mill, Gueydan, La.	2	1058	14.00	14.25
Rice Bran.	2	1409	13.81	14.25
Average .....	4		13.91	14.25
National Rice Milling Co., Crowley, La.	1	854	16.25	12.06
Rice Bran.	3	1131	13.25	12.06
	1	1533	11.81	12.06
Average .....	5		13.77	12.06
Rice Bran.	2	1090	12.13	2.31
National Rice Milling Co., New Orleans, La.	1	2163	12.43	11.25
Rice Bran.	7	1651	12.43	11.25
	2	1849	12.43	11.25
	2	1942	12.63	11.25
Average .....	12		12.48	11.25
Rice Bran.	5	1553	12.75	12.13

## BRAN.

Fat		Carbohydrates		Fiber		Water	Ash	Hulls
% Found	% Guar- anteed	% Found	% Guar- anteed	% Found	% Guar- anteed	% Found	% Found	% Found
12.35	10.00	42.45	40.00	13.64	20.00	9.60	10.27	
10.49	10.00	46.19	40.00	12.63	20.00	9.70	9.49	
9.96	10.00	45.60	40.00	13.14	20.00	8.88	10.92	
10.93	10.00	44.74	40.00	13.14	20.00	9.39	10.24	10.46
9.53	10.00	48.20	40.00	12.24	20.00	10.30	8.29	
11.55	10.00	48.14	40.00	11.14	20.00	7.74	8.37	
10.54	10.00	48.17	40.00	11.69	20.00	9.02	8.33	5.63
8.91	10.00	48.92	40.00	11.92	20.00	9.22	9.22	6.39
9.31	8.75	47.11	53.88	13.28	9.25	9.18	10.99	
8.36	8.75	49.01	53.88	12.53	9.25	8.74	10.39	
8.84	8.75	48.06	53.88	12.90	9.25	8.96	10.64	9.66
15.89	13.53	41.78	42.92	10.44	9.26	9.10	8.79	
16.01	13.53	40.22	42.92	10.75	9.26	10.53	8.68	
15.95	13.53	41.00	42.92	10.59	9.26	9.81	8.74	1.96
14.04	10.90	46.88	51.59	6.14	6.55	10.25	6.44	
11.68	10.90	47.15	51.59	8.84	6.55	9.22	9.86	
7.92	10.90	52.95	51.59	8.10	6.55	10.32	8.90	
11.21	10.90	49.00	51.59	7.69	6.55	9.93	8.40	None
11.13	0.92	47.89	31.77	9.29	36.85	9.27	10.29	None
8.12	12.95	54.70	42.58	8.16	10.07	10.18	6.47	
9.81	12.95	51.44	42.58	10.33	10.07	7.98	8.01	
10.05	12.95	49.76	42.58	10.95	10.07	7.96	8.85	
10.75	12.95	44.56	42.58	12.60	10.07	10.13	9.33	
9.68	12.95	50.72	42.58	10.51	10.07	9.06	8.15	1.70
9.63	13.17	51.64	46.96	7.38	8.40	8.94	9.66	None

## RICE

Name of Manufacturer or Jobber and Brand	Number of Samples Compositd	Station Number	Protein	
			% Found	% Guaranteed
New Iberia Rice Mill, New Iberia, La. Rice Bran.	1	832	14.00	13.63
	1	1962	14.06	13.63
	Average .....	2	14.03	13.63
Orleans Rice Mill Co., New Orleans, La. Pure Rice Bran.	3	741	10.49	10.50
	2	874	9.81	10.50
	3	1116	11.50	10.50
	1	1529	10.19	10.50
	1	2041	10.75	10.50
	1	2161	11.38	10.50
	Average .....	11	10.69	10.50
Mixed Rice Bran.	3	723	5.63	5.46
	4	934	6.00	5.46
	1	1371	5.88	5.46
	Average .....	8	5.84	5.46
Peoples' Independent Rice Mill Co., Crowley, La. Rice Bran.	2	755	12.63	11.06
	2	998	13.00	11.06
	3	1127	13.44	11.06
	2	1382	11.38	11.06
	Average .....	9	12.61	11.06
Planters' Rice Mill Co., Ltd., Abbeville, La. Rice Bran.	2	1015	12.63	10.00
	1	1660	12.69	10.00
	Average .....	3	12.66	10.00
Rayne Rice Mill Co., Ltd., Rayne, La. Rice Bran.	1	849	8.56	7.00
	2	974	7.75	7.00
	4	1244	7.19	7.00
	6	1422	7.13	7.00
	7	1559	7.75	7.00
	3	1813	7.56	7.00
	3	1917	7.25	7.00
	1	2082	7.63	7.00
	3	2129	7.25	7.00
	Average .....	30	7.56	7.00

## BRAN.

Fat		Carbohydrates		Fiber		Water	Ash	Hulis
% Found	% Guar- anteed	% Found	% Guar- anteed	% Found	% Guar- anteed	% Found	% Found	% Found
12.02	16.87	48.85	43.46	6.92	6.62	9.93	8.28	
6.80	16.87	54.75	43.46	6.65	6.62	10.23	7.51	
9.41	16.87	51.80	43.46	6.78	6.62	10.09	7.89	None
8.56	8.75	48.49	52.00	13.00	13.25	9.43	10.03	
9.54	8.75	43.12	52.00	16.59	13.25	8.90	12.04	
8.94	8.75	46.38	52.00	13.84	13.25	9.26	10.08	
7.71	8.75	48.56	52.00	11.06	13.25	10.10	12.38	
9.54	8.75	42.41	52.00	15.35	13.25	9.21	12.74	
11.19	8.75	44.78	52.00	11.47	13.25	10.33	10.85	
9.25	8.75	45.62	52.00	13.55	13.25	9.54	11.35	11.82
4.14	3.23	38.89	36.61	27.72	28.87	8.52	15.10	
3.39	3.23	33.79	36.61	30.66	28.87	8.17	17.99	
3.62	3.23	35.99	36.61	30.62	28.87	7.83	16.06	
3.72	3.23	36.23	36.61	29.66	28.87	8.17	16.38	65.37
13.24	13.00	46.42	38.00	9.62	13.18	9.49	8.60	
13.42	13.00	42.56	38.00	11.33	13.18	9.13	10.56	
13.11	13.00	44.70	38.00	10.22	13.18	9.43	9.10	
12.86	13.00	47.44	38.00	10.55	13.18	8.74	9.03	
13.16	13.00	45.28	38.00	10.43	13.18	9.20	9.32	1.43
10.42	11.00	50.43	42.00	9.10	15.00	9.56	7.86	
11.02	11.00	50.31	42.00	8.32	15.00	9.44	8.22	
10.72	11.00	50.37	42.00	8.71	15.00	9.50	8.04	None
3.92	4.50	40.10	37.25	23.75	27.25	9.31	14.36	
4.20	4.50	40.20	37.25	24.84	27.25	9.16	13.85	
3.77	4.50	42.39	37.25	23.55	27.25	9.05	14.05	
4.55	4.50	39.60	37.25	25.62	27.25	8.26	14.84	
3.57	4.50	42.09	37.25	24.46	27.25	8.20	13.93	
2.88	4.50	36.83	37.25	29.28	27.25	8.15	15.30	
3.33	4.50	38.48	37.25	26.93	27.25	8.20	15.81	
3.11	4.50	41.60	37.25	25.02	27.25	8.22	14.42	
2.69	4.50	40.95	37.25	25.50	27.25	8.44	15.17	
3.58	4.50	40.24	37.25	25.44	27.25	8.55	14.63	51.42

## RICE

Name of Manufacturer or Jobber and Brand	Number of Samples Compositd	Station Number	Protein	
			% Found	% Guaranteed.
Siewerd Milling Co., New Orleans, La. Rice Bran.	3 1	736 2160	11.13 10.06	16.50 10.50
Average .....	4		10.60	10.50
Rice Bran.	1	672	10.47	11.30
Southern Rice Milling Co., New Orleans, La. Rice Bran.	2 9 3 3	973 691 1199 1335	10.31 7.56 9.31 9.25	10.50 10.50 10.50 10.50
Average .....	17		9.11	10.50
Rice Bran.	2	652	9.97	10.50
A. Socola, New Orleans, La. A. S. Rice Bran.	3 10 4 1 5 4 1 1 5 1	650 694 872 1048 1296 1453 1716 1948 2106 2040	11.16 12.06 10.38 10.94 12.00 10.94 12.37 10.88 12.19 12.94	11.37 11.37 11.37 11.37 11.37 11.37 11.37 11.37 11.37 11.37
Average .....	38		11.59	11.37
M. Rice Bran.	5 1 2	704 1049 1552	7.00 7.13 8.69	6.06 6.06 6.06
Average .....	8		7.61	6.06
United States Rice Milling Co., Crowley, La. Rice Bran.	2 3 2 1 1	996 1190 1463 1714 2132	11.00 12.25 12.63 14.00 11.38	9.69 9.69 9.69 9.69 9.69
Average .....	9		12.25	9.69



## BRAN.

Fat		Carbohydrates		Fiber		Water	Ash	Hulls
% Found	% Guar- anteed	% Found	% Guar- anteed	% Found	% Guar- anteed	% Found	% Found	% Found
10.52	10.75	42.70	44.00	15.65	14.00	9.44	10.56	
10.07	10.75	41.31	44.00	16.74	14.00	9.44	12.38	
10.30	10.75	42.00	44.00	16.19	14.00	9.44	11.47	20.61
10.98	12.26	40.44	43.64	15.90	12.82	9.53	12.68	19.65
8.88	9.50	46.71	44.75	11.77	15.75	9.28	13.05	
7.30	9.50	40.87	44.75	21.52	15.75	8.12	14.63	
6.74	9.50	45.15	44.75	18.33	15.75	9.08	11.39	
6.96	9.50	42.26	44.75	20.08	15.75	8.63	12.82	
7.47	9.50	43.74	44.75	17.93	15.75	8.78	12.97	26.41
10.61	9.50	42.10	39.39	15.63	18.68	9.56	12.13	18.75
12.38	12.50	43.66	42.27	12.63	14.40	8.12	12.05	
12.01	12.50	43.37	42.27	13.10	14.40	8.13	11.33	
9.89	12.50	43.40	42.27	13.82	14.40	10.32	12.19	
8.63	12.50	43.43	42.27	16.75	14.40	8.71	11.54	
9.96	12.50	47.35	42.27	12.30	14.40	7.77	10.62	
9.52	12.50	43.48	42.27	14.94	14.40	10.66	10.46	
10.44	12.50	44.96	42.27	13.30	14.40	8.90	10.03	
7.83	12.50	44.59	42.27	16.53	14.40	9.25	10.92	
12.29	12.50	43.23	42.27	11.17	14.40	10.91	10.21	
10.62	12.50	43.95	42.27	11.74	14.40	9.41	11.37	
10.35	12.50	44.14	42.27	13.63	14.40	9.22	11.07	12.09
5.83	5.75	34.61	33.09	26.17	29.12	9.44	16.95	
4.72	5.75	34.98	33.09	28.36	29.12	9.16	15.65	
5.18	5.75	41.75	33.09	21.93	29.12	8.33	14.12	
5.24	5.75	37.11	33.09	25.49	29.12	8.98	15.57	51.58
9.60	9.90	45.77	45.59	12.86	13.67	9.74	11.03	
11.52	9.90	46.75	45.59	9.95	13.67	8.14	11.39	
12.30	9.90	47.76	45.59	9.43	13.67	9.12	8.76	
7.51	9.90	51.31	45.59	8.03	13.67	8.92	10.23	
10.63	9.90	54.12	45.59	7.52	13.67	9.26	7.09	
10.31	9.90	49.14	45.59	9.56	13.67	9.04	9.70	None



## RICE

Name of Manufacturer or Jobber and Brand	Number of Samples Compositd	Station Number	Protein	
			% Found	% Guaranteed
Wall Rice Milling Co., Lake Charles, La. Rice Bran, No. 1.	4	926	9.63	9.38
	2	1357	7.75	9.38
	5	1452	10.25	9.38
	3	1566	8.06	9.38
	1	1970	13.69	9.38
Average .....	15		9.87	9.38
National Rice Mill, New Orleans, La. Rice Hog Feed. Rice Screenings, containing weed seeds, mostly smartweed and grass.	2	782	8.87	7.04
	1	1532	9.06	7.04
Average .....	3		8.97	7.04

## RICE

Abbeville Rice Milling Co., Ltd., Abbeville, La. Rice Polish.	4	1157	11.81	0.10
	1	1594	11.00	0.10
Average .....	5		11.41	0.10
Conover Rice Milling Co., Ltd., Mermentau, La. Rice Polish.	2	765	10.06	10.00
	1	1052	11.44	10.00
	5	1143	10.25	10.00
	2	1279	11.38	10.00
	1	1713	10.90	10.00
Average .....	11		10.81	10.00
Crowley Rice Milling Co., Crowley, La. Rice Polish.	1	1593	11.13	12.18
Donaldsonville Rice Milling Co., Donaldsonville, La. Rice Polish.	1	1698	12.18	13.88
Egan Rice Milling Co., Ltd., Egan, La. Rice Polish.	2	992	11.69	10.00

## BRAN.

Fat		Carbohydrates		Fiber		Water	Ash	Hulls
% Found	% Guar- anteed	% Found	% Guar- anteed	% Found	% Guar- anteed	% Found	% Found	% Found
8.60	8.80	39.03	45.47	21.18	16.55	9.32	12.24	
8.15	8.80	45.95	45.47	17.75	16.55	8.11	12.29	
8.62	8.80	41.67	45.47	17.14	16.55	10.26	12.06	
5.04	8.80	38.18	45.47	27.02	16.55	7.25	14.45	
8.65	8.80	45.89	45.47	13.90	16.55	9 10	8.77	
7.81	8.80	42.16	45.47	19.39	16.55	8.81	11.96	31.27
1.65	0.04	75.15	58.00	0.71	10.00	12.62	1.00	
1.27	0.04	73.91	58.00	3.15	10.00	11.30	1.31	
1.46	0.04	74.53	58.00	1.93	10.00	11.96	1.15	

## POLISH.

6.68	0.06	64.87	65.00	1.93	0.10	10.60	4.11
5.17	0.06	68.19	65.00	2.40	0.10	9.40	3.84
5.92	0.06	66.53	65.00	2.16	0.10	10.00	3.98
5.37	8.00	70.23	50.00	1.55	3.00	10.14	2.65
8.89	8.00	63.08	50.00	1.57	3.00	10.48	4.54
5.58	8.00	69.33	50.00	1.56	3.00	10.37	2.91
6.65	8.00	68.43	50.00	1.20	3.00	9.07	3.27
5.00	8.00	70.07	50.00	1.51	3.00	9.37	3.15
.30	8.00	63.23	50.00	1.48	.00	9.88	3.30
6.46	10.75	67.03	59.37	2.21	3.00	9.55	3.63
4.16	4.20	67.25	62.75	3.09	4.73	9.84	3.48
7.01	6.00	66.13	65.00	1.61	1.00	9.97	3.59

## RICE

Name of Manufacturer or Jobber and Brand	Number of Samples Compositd	Station Number	Protein	
			% Found	% Guar-anteed
Empire Rice Milling Co., New Orleans, La. Rice Polish.	3	762	11.38	10.50
	1	880	11.38	10.50
	2	1087	11.06	10.50
	1	1968	12.50	10.50
	1	2089	10.81	10.50
Average .....	8		11.42	10.50
Eureka Rice Milling Co., Esterwood, La. Rice Polish.	1	804	12.00	12.75
Gueydan Rice Milling Co., Ltd., Gueydan, La. Rice Polish.	2	1152	11.56	0.60
Gulf Rice Milling Co., Welsh, La. Rice Polish.	1	824	12.00	12.00
	3	1266	11.31	12.00
	1	1757	12.03	12.00
	Average .....	5		11.78
Haspel & Davis, New Orleans, La. Rice Polish.	2	889	11.19	11.37
Hunter Rice Milling Co., Crowley, La. Rice Polish.	4	1196	11.25	10.88
Iota Rice Milling Co., Iota, La. Rice Polish.	2	1088	10.94	10.00
Jennings Rice Milling Co., Welsh, La. Rice Polish.	2	768	11.94	10.00
	2	1006	11.31	10.00
	1	1050	11.00	10.00
	2	1330	10.94	10.00
	1	1866	11.63	10.00
Average .....	8		11.36	10.00
Jennings Rice Milling Co., Jennings, La. Rice Polish.	2	1060	10.50	10.00
	1	1367	10.19	10.00
	2	1645	12.19	10.00
Average .....	5		10.96	10.00

## POLISH.

Fat		Carbohydrates		Fiber		Water	Ash
% Found	% Guar- anteed	% Found	% Guar- antee	% Found	% Guar- anteed	% Found	% Found
7.19	7.50	66.59	65.42	1.82	1.25	9.03	3.99
8.92	7.50	63.18	65.42	1.84	1.25	10.42	4.26
7.01	7.50	67.07	65.42	1.22	1.27	10.15	3.49
7.35	7.50	65.78	65.42	1.93	1.25	8.40	4.04
7.27	7.50	66.65	65.42	1.54	1.25	9.62	4.11
7.54	7.50	65.85	65.42	1.67	1.25	9.54	3.98
7.97	9.11	63.18	61.05	2.08	1.87	10.56	4.21
8.23	0.06	63.58	65.00	3.09	0.10	9.17	4.37
5.50	6.00	67.18	67.00	2.09	1.00	10.36	2.87
5.94	6.00	66.60	67.00	2.53	1.00	9.68	3.94
9.28	6.00	58.51	67.00	3.90	1.00	9.33	6.95
6.91	6.00	64.10	67.00	2.84	1.00	9.79	4.58
9.18	6.25	63.04	65.88	1.30	1.25	10.72	4.57
9.69	9.91	62.70	59.02	1.09	3.93	9.01	6.26
7.21	6.00	66.79	65.00	1.68	1.00	9.84	3.54
8.18	6.00	65.35	65.00	1.74	1.00	9.38	3.41
7.98	6.00	64.50	65.00	1.83	1.00	10.49	3.89
7.11	6.00	65.04	65.00	2.61	1.00	10.21	4.03
7.01	6.00	66.88	65.00	1.97	1.00	9.77	3.43
5.20	6.00	65.38	65.00	2.87	1.00	9.70	5.22
7.10	6.00	65.43	65.00	2.20	1.00	9.91	4.00
6.18	6.00	68.59	65.00	1.38	1.00	10.24	3.11
4.45	6.00	70.98	65.00	1.57	1.00	9.49	3.32
5.58	6.00	69.07	65.00	1.45	1.00	9.30	2.41
5.40	6.00	69.54	65.00	1.47	1.00	9.68	2.95

## RICE

Name of Manufacturer or Jobber and Brand.	Number of Samples Compositd	Station Number	Protein	
			% Found	% Guaranteed
Jones Bros., Crowley, La. Rice Polish.	1	1046	10.50	10.00
	1	1731	11.56	10.00
	Average .....	2	11.03	10.00
Lake Arthur Rice Milling Co., Lake Arthur, La. Rice Polish.	1	1406	10.56	10.00
Lake Charles Rice Milling Co., Lake Charles, La. Rice Polish.	3	981	11.69	12.50
	1	1537	11.44	12.50
	1	1761	11.71	12.50
	1	1867	12.88	12.50
	Average .....	6	11.94	12.50
	Rice Polish.	1	994	12.94
	1	1370	11.31	12.00
	Average .....	2	12.13	12.00
Lawrence & Hamilton, New Orleans, La. Rice Polish.	1	1595	11.06	11.00
Leona Rice Milling Co., New Orleans, La. Rice Polish.	1	1373	12.43	10.13
Levy Rice Milling Co., New Orleans, La. Rice Polish.	1	840	11.38	11.01
	1	1769	13.18	11.01
	1	2088	13.75	11.01
	Average .....	3	12.77	11.01
Louisiana Irrigation and Milling Co., Morse, La. Rice Polish.	1	1070	11.00	12.00
	1	1405	10.81	12.00
	Average .....	2	10.91	12.00
Louisiana Irrigation and Milling Co., Jennings, La. Rice Polish.	2	1300	10.69	12.00
Louisiana Irrigation and Milling Co., Roanoke, La. Rice Polish.	1	995	12.13	12. 60

## POLISH.

Fat		Carbohydrates		Fiber		Water	Ash
% Found	% Guar- anteed	% Found	% Guar- anteed	Found	% Guar- anteed	% Found	% Found
5.37	0.06	67.43	65.00	2.12	0.01	10.70	3.88
5.66	0.06	67.19	65.00	2.03	0.01	8.88	4.68
5.52	0.06	67.31	65.00	2.07	0.01	9.79	4.28
5.83	6.00	67.62	65.00	2.01	1.50	10.76	3.22
6.97	7.00	66.88	66.25	1.47	2.50	9.43	3.56
8.38	7.00	64.79	66.25	1.81	2.50	9.54	4.04
7.65	7.00	65.48	66.25	1.86	2.50	9.47	3.83
5.45	7.00	65.27	66.25	3.30	2.50	9.08	4.02
7.11	7.00	65.60	66.25	2.11	2.50	9.38	3.86
7.96	10.00	62.70	60.00	2.00	3.00	10.60	3.80
7.08	10.00	65.98	60.00	1.62	3.00	10.25	3.76
7.52	10.00	64.34	60.00	1.81	3.00	10.42	3.78
4.05	7.00	70.21	56.00	1.44	8.00	10.28	2.96
9.18	4.77	62.09	69.28	2.41	2.20	9.41	4.48
6.21	8.37	67.19	63.41	1.15	1.07	10.45	3.62
8.54	8.37	61.77	63.41	2.84	1.07	9.57	4.10
6.02	8.37	64.15	63.41	2.15	1.07	10.02	3.91
6.92	8.37	64.37	63.41	2.04	1.07	10.02	3.88
8.10	0.06	61.82	65.00	3.82	0.01	10.18	5.08
7.10	0.06	62.88	65.00	3.63	0.01	11.05	4.53
7.60	0.06	62.35	65.00	3.72	0.01	10.61	4.81
5.94	0.06	70.86	65.00	0.96	0.01	8.68	2.87
5.89	0.06	66.12	65.00	1.45	0.01	10.41	4.00



## RICE

Name of Manufacturer or Jobber and Brand	Number of Samples Compositd	Station Number	Protein	
			% Found	% Guaranteed
Morse Rice Milling Co., Ltd., Morse, La. Rice Polish.	1	833	11.00	9.62
	1	1082	10.81	9.62
	Average .....	2	10.91	9.62
Mutual Rice Milling Co., Gueydan, La. Rice Polish.	2	1059	10.38	12.56
	2	1408	10.50	12.56
	Average .....	4	10.44	12.56
National Rice Milling Co., Crowley, La. Rice Polish.	2	785	11.81	11.06
	1	1372	12.81	11.06
	Average .....	3	12.31	11.06
New Iberia Rice Milling Co., New Iberia, La. Rice Polish.	2	813	10.56	10.19
Orleans Rice Milling Co., New Orleans, La. Rice Polish.	3	783	11.94	10.50
	3	968	11.06	10.50
	1	2156	10.19	10.50
	Average .....	7	11.06	10.50
People's Independent Rice Milling Co., Crowley, La. Rice Polish.	3	1120	11.44	12.75
	1	1618	12.34	12.75
	Average .....	4	11.89	12.75
Planters' Rice Milling Co., Ltd., Abbeville, La. Rice Polish.	1	997	13.78	15.08
	2	1151	14.38	15.08
	Average .....	3	14.08	15.08
Rayne Rice Milling Co., Rayne, La., Rice Polish.	2	1096	10.13	10.00

## POLISH.

Fat		Carbohydrates		Fiber		Water	Ash
% Found	% Guar- anteed.	% Found	% Guar- anteed	% Found	% Guar- anteed	% Found	% Found
7.62 6.40	8.75 8.75	65.78 67.71	69.97 69.97	1.95 2.18	4.50 4.50	9.56 9.19	4.09 3.71
7.01	8.75	66.74	69.97	2.06	4.50	9.38	3.90
4.64 7.00	5.88 5.88	70.93 67.87	65.01 65.01	1.29 1.46	1.41 1.41	9.74 9.55	3.02 3.62
5.82	5.88	69.40	65.01	1.38	1.41	9.64	3.32
10.48 7.73	9.07 9.07	59.66 62.39	62.12 62.12	2.63 2.54	2.25 2.25	10.66 10.84	4.76 3.89
9.11	9.07	61.03	62.12	2.58	2.25	10.65	4.32
7.30	9.22	65.07	62.97	1.52	1.25	10.84	4.71
7.42 5.73 5.82	7.00 7.00 7.00	64.01 70.00 69.36	68.09 68.09 68.09	1.33 1.13 1.27	0.50 0.50 0.50	11.30 9.58 9.69	4.00 2.50 3.67
6.33	7.00	67.79	68.09	1.24	0.50	10.19	3.39
7.45 6.89	10.67 10.67	63.23 61.49	61.05 61.05	2.92 3.66	1.87 1.87	10.25 9.77	4.71 5.85
7.17	10.67	62.36	61.05	3.29	1.87	10.01	5.28
9.40 10.70	8.34 8.34	58.84 58.33	56.23 56.23	2.42 2.67	3.00 3.00	10.63 9.39	4.93 4.53
10.05	8.34	58.59	56.23	2.54	3.00	10.01	4.73
6.37	6.00	69.15	65.00	1.13	1.00	9.55	3.67

## RICE

Name of Manufacturer or Jobber and Brand	Number of Samples Compositd	Station Number	Protein	
			% Found	% Guaranteed
A. Socola, New Orleans, La. A. S. Rice Polish.	8	684	11.06	9.44
	4	873	12.31	9.44
	3	1461	10.50	9.44
	1	1717	14.25	9.44
	1	1957	11.75	9.44
	1	2083	11.19	9.44
	3	2130	11.31	9.44
Average .....	21		11.77	9.44
Southern Rice Milling Co., New Orleans, La. Rice Polish.	1	816	10.25	9.62
U. S. Rice Milling Co., Ltd., Crowley, La. Rice Polish.	2	991	11.50	11.25
	4	1191	11.81	11.25
	2	1462	9.69	11.25
	2	1546	10.63	11.25
	1	1871	10.88	11.25
Average .....	11		10.90	11.25
Wall Rice Milling Co., Lake Charles, La. Rice Polish.	2	1089	11.63	14.30
	2	1397	11.81	14.30
	2	1523	11.00	14.30
Average .....	6		11.48	14.30

## WHEAT

Akin-Erskine Milling Co., Evansville, Ind. Wheat Brar	1	1616	15.56	15.66
Arms & Kidder, Kansas City, Mo. Wheat Bran.	1	851	9.1	14.85
Atchison Live Stock Co., Atchison, Kan. Wheat Bran.	3	868	11.31	.00
	4	1019	14.63	.00
	2	1458	13.63	.00
	7	1883	14.56	.00
	6	2006	15.88	.00
	2	2115	14.87	.00
Average .....	24		14.15	3.00

## POLISH.

Fat		Carbohydrates		Fiber		Water	Ash
% Found	% Guar- anteed	% Found	% Guar- anteed	% Found	% Guar- anteed	% Found	% Found
8.00	7.73	64.03	67.68	1.87	1.83	10.27	4.77
6.17	7.73	65.78	67.68	1.40	1.83	11.06	3.28
6.51	7.73	66.02	67.68	1.77	1.83	11.33	3.87
5.33	7.73	64.38	67.68	2.09	1.83	10.30	3.65
6.95	7.73	63.24	67.68	4.10	1.83	9.90	4.06
7.16	7.73	65.05	67.68	2.16	1.83	9.93	4.51
7.39	7.73	65.08	67.68	1.85	1.83	9.82	4.55
6.79	7.73	64.79	67.68	2.18	1.85	10.37	4.09
6.80	6.25	66.21	69.22	1.79	1.25	10.43	4.52
7.04	11.22	66.81	61.54	1.66	2.77	9.87	3.12
9.77	11.22	61.84	61.54	2.27	2.77	9.78	4.53
7.40	11.22	67.06	61.54	1.79	2.77	10.46	3.60
7.38	11.22	65.64	61.54	1.83	2.77	10.96	3.56
7.95	11.22	66.17	61.54	2.90	2.77	8.45	3.65
7.91	11.22	65.51	61.54	2.09	2.77	9.90	3.69
7.76	12.00	65.72	57.95	1.90	2.05	9.21	3.78
7.36	12.00	65.05	57.95	1.95	2.05	10.54	3.29
7.63	12.00	64.38	57.95	2.47	2.05	10.63	3.89
7.58	12.00	65.05	57.95	2.11	2.05	10.12	3.66

## BRAN.

3.89	3.17	54.33	56.84	9.56	10.22	10.24	6.42
3.98	3.58	50.72	54.60	8.69	10.00	11.54	5.88
3.95	3.00	54.76	50.00	10.08	20.00	12.52	7.38
4.03	3.00	52.63	50.00	11.18	20.00	10.36	7.17
3.78	3.00	53.87	50.00	10.48	20.00	11.40	6.84
3.75	3.00	50.05	50.00	12.50	20.00	11.80	7.34
4.58	3.00	51.45	50.00	11.58	20.00	9.35	7.16
3.89	3.00	52.55	50.00	10.96	20.00	10.89	6.84
4.00	3.00	52.55	50.00	11.13	20.00	11.05	7.12

## WHEAT

Name of Manufacturer or Jobber and Brand	Number of Samples Compositd	Station Number	Protein	
			% Found	% Guaranteed
Aurora Milling Co., Aurora, Mo. Jerrett Wheat Bran.	5	928	16.56	16.00
	10	1028	16.44	16.00
	5	1184	15.81	16.00
	1	1374	15.56	16.00
	1	1748	16.12	16.00
	2	1924	15.81	16.00
	Average .....	24	16.05	16.00
C. Becker Milling Co., Red Bud, Ill. Wheat Bran.	4	1554	14.84	14.85
	7	1247	15.59	14.85
	3	1418	14.75	14.85
	2	1705	15.31	14.85
	1	2173	14.63	14.85
	Average .....	17	15.02	14.85
The Blair Milling Co., Atchison, Kan. Blair's Bran.	2	888	13.63	13.93
	8	686	13.44	13.93
	4	1259	15.19	13.93
	2	1550	14.93	13.93
	3	1810	13.81	13.93
	4	2095	15.13	13.93
	1	2087	14.25	13.93
	Average ....	24	14.34	13.93
Blackwell Milling Co., Blackwell, Okla. Bran.	2	1667	17.63	15.00
	1	1845	18.25	15.00
	Average .....	3	17.94	15.00
Burrus Mill and Elevator Co., Fort Worth, Tex. Burrus Wheat Bran.	3	738	16.88	15.19
	5	927	17.43	15.19
	10	1133	16.44	15.19
	2	1329	17.06	15.19
	3	1571	17.06	15.19
	3	1803	16.37	15.19
	2	1934	15.31	15.19
	1	2078	16.63	15.19
	2	2146	16.94	15.19
	Average .....	31	16.68	15.19



## BRAN.

Fat		Carbohydrates		Fiber		Water	Ash
%	%	%	%	%		%	%
Found	Guar- anteed	Found	Guar- anteed	Found	Guar- anteed	Found	Found
4.40	3.13	52.93	53.00	8.67	9.00	11.58	5.86
4.53	3.13	53.94	53.00	9.23	9.00	10.07	5.79
4.52	3.13	55.88	53.00	8.28	9.00	10.28	5.23
3.51	3.13	57.59	53.00	8.12	9.00	10.50	4.72
4.57	3.13	55.33	53.60	8.60	9.00	10.05	5.33
4.03	3.13	56.09	53.00	9.10	9.00	9.58	5.39
4.26	3.13	55.29	53.00	8.67	9.00	10.34	5.39
4.11	3.58	55.31	54.60	9.19	10.00	10.22	6.33
4.31	3.58	54.99	54.60	9.08	10.00	10.11	5.92
4.05	3.58	53.81	54.60	9.22	10.00	11.86	6.31
4.46	3.58	55.56	54.60	9.21	10.00	9.59	5.87
4.22	3.58	53.50	54.60	9.38	10.00	12.03	6.24
4.23	3.58	54.64	54.60	9.22	10.00	10.76	6.13
3.93	3.50	53.88	56.84	10.67	10.59	11.10	6.79
4.23	3.50	55.85	56.84	9.64	10.59	10.41	6.43
4.18	3.50	55.24	56.84	9.92	10.59	9.01	6.46
4.26	3.50	55.53	56.84	8.24	10.59	11.54	5.50
4.58	3.50	55.79	56.84	9.57	10.59	9.60	6.65
4.20	3.50	51.21	56.84	9.86	10.59	13.02	6.58
4.27	3.50	54.72	56.84	10.15	10.59	9.97	6.64
4.24	3.50	54.60	56.84	9.72	10.59	10.66	6.44
4.02	5.00	53.59	47.00	8.89	10.00	10.06	5.81
4.12	5.00	53.04	47.00	9.75	10.00	9.24	5.60
4.07	5.00	53.31	47.00	9.32	10.00	9.65	5.71
5.08	4.72	54.13	54.19	7.52	7.90	10.79	5.60
4.40	4.72	53.49	54.19	7.90	7.90	10.69	6.09
4.54	4.72	55.02	54.19	7.59	7.90	11.30	5.11
4.07	4.72	54.63	54.19	8.47	7.90	10.31	5.46
4.09	4.72	56.98	54.19	7.30	7.90	9.56	5.01
3.97	4.72	57.20	54.19	7.36	7.90	9.98	5.12
4.28	4.72	55.71	54.19	8.20	7.90	10.98	5.52
3.70	4.72	57.19	54.19	6.82	7.90	10.77	4.89
4.24	4.72	56.23	54.19	7.41	7.90	10.43	4.75
4.26	4.72	55.62	54.19	7.62	7.90	10.54	5.28

## WHEAT

Name of Manufacturer or Jobber and Brand	Number of Samples Compositd	Station Number	Protein	
			% Found	% Guaranteed
A. J. Butte Milling Co., Kansas City, Mo. Wheat Bran.	1	1195	15.06	14.85
	1	2084	15.81	14.85
	Average .....	2	15.44	14.85
	Wheat Bran.	1	16.25	14.00
The Cain Mill Co., Atchison, Kan. Cain's Bran.	5	965	13.56	13.51
	2	1124	13.44	13.51
	1	1587	14.13	13.51
	1	1764	14.43	13.51
	1	1952	15.50	13.51
	3	2145	14.93	13.51
	Average .....	13	14.33	13.51
Caldwell Milling Co., Caldwell, Kan. Wheat Bran.	2	950	16.56	15.06
	1	1486	14.94	15.06
	Average .....	3	15.75	15.06
Cape County Milling Co., Jackson, Mo. Wheat Bran.	10	1417	15.81	14.08
	5	1634	16.81	14.08
	2	1824	15.87	14.08
	Average .....	17	16.16	14.08
Carbondale Mill & Elevator Co., Carbondale, Ill. Wheat Bran.	2	1945	15.25	14.55
Charleston Milling Co., Charleston, Mo. Wheat Bran.	1	850	16.75	13.10
	3	1123	14.38	13.10
	7	1254	15.13	13.10
	4	1360	14.56	13.10
	3	1624	14.56	13.10
	Average .....	18	15.08	13.10
Cherokee Milling & Elevator Co., Cherokee, Okla. Wheat Bran.	1	898	17.19	14.85

## BRAN.

Fat		Carbohydrates		Fiber		Water	Ash
% Found	% Guar- anteed	% Found	% Guar- anteed	% Found	% Guar- anteed	% Found	% Found
4.68	3.58	55.80	54.60	8.95	10.00	9.89	5.62
4.41	3.58	54.63	54.60	8.93	10.00	10.15	6.07
4.54	3.58	55.22	54.60	8.94	10.00	10.02	5.84
4.38	4.50	52.14	49.00	9.73	10.00	11.16	6.34
4.22	3.14	53.92	55.13	9.47	9.15	12.27	6.56
4.39	3.14	53.79	55.13	10.02	9.15	11.90	6.46
3.90	3.14	55.53	55.13	10.00	9.15	10.08	6.36
4.22	3.14	53.51	55.13	10.41	9.15	10.83	6.60
4.60	3.14	59.94	55.13	5.65	9.15	10.45	3.86
4.54	3.14	53.99	55.13	9.75	9.15	10.69	6.10
4.31	3.14	55.13	55.13	9.21	9.15	11.03	5.99
3.74	3.34	53.20	52.04	8.06	10.08	12.96	5.48
3.49	3.34	52.14	52.04	11.02	10.08	10.99	7.42
3.62	3.34	52.67	52.04	9.54	10.08	11.97	6.45
4.36	4.70	55.82	55.36	7.09	7.47	11.66	5.26
4.46	4.70	56.17	55.36	7.47	7.47	10.18	4.91
4.30	4.70	57.63	55.36	7.33	7.47	9.27	5.60
4.37	4.70	56.54	55.36	7.30	7.47	10.37	5.26
3.53	3.10	51.98	54.40	10.89	8.90	11.90	6.45
4.90	4.75	51.79	54.50	8.70	9.80	11.19	6.67
4.78	4.75	56.47	54.50	7.50	9.80	11.29	5.58
5.61	4.75	56.83	54.50	7.35	9.80	9.17	5.91
4.50	4.75	54.33	54.50	8.58	9.80	11.78	6.25
4.78	4.75	54.67	54.50	9.40	9.80	10.00	6.59
4.91	4.75	54.82	54.50	8.30	9.80	10.69	6.20
4.08	3.58	51.56	54.60	9.43	10.00	10.84	6.90

## WHEAT

Name of Manufacturer or Jobber and Brand	Number of Samples Compositd	Station Number	Protein	
			Found	% Guaranteed
Chapin & Co., St. Louis, Mo. Pure Wheat Bran.	5	860	13.13	14.00
	4	714	15.44	14.00
	4	754	14.88	14.00
	4	1176	15.25	14.00
	4	1305	15.74	14.00
	2	1708	15.31	14.00
	7	1796	15.46	14.00
	1	1963	15.19	14.00
	4	2008	14.69	14.00
	2	2117	14.93	14.00
Average .....	37		15.00	14.00
Chopman Milling Co., Sherman, Tex. Wheat Bran.	1	790	14.63	14.13
	1	1213	15.06	14.13
Average .....	2		14.85	14.13
H. C. Cole Milling Co., Chester, Ill. Bran.	3	1349	14.93	14.00
Cooley Milling Co., Siloam Springs, Ark. Wheat Bran.	1	1072	16.56	15.00
	2	1321	14.81	15.00
Average .....	3		15.69	15.00
Cumberland Mills, Nashville, Tenn. Bran.	2	733	13.38	14.85
Cumberland and Liberty Mills, Nashville, Tenn. Pure Wheat Bran.	6	1128	15.44	14.50
	2	1487	14.87	14.50
	1	1612	15.75	14.50
Average .....	9		15.36	14.50
Davis Milling Co., St. Joseph, Mo. Pure Wheat Bran.	7	685	13.94	13.00
	2	1078	14.13	13.00
	3	1263	13.69	13.00
	5	1423	14.31	13.00
	1	1755	14.53	13.00
	5	1784	14.88	13.00
	4	2002	15.25	13.00
	2	2124	16.19	13.00
Average .....	29		14.62	13.00

## BRAN.

Fat		Carbohydrates		Fiber		Water	Ash
% Found	% Guar- anteed	% Found	% Guar- anteed	% Found	% Guar- anteed	% Found	% Found
4.32	3.00	54.78	40.00	9.78	5.00	11.44	6.55
4.42	3.00	54.12	40.00	9.08	5.00	10.89	6.05
4.43	3.00	54.28	40.00	9.15	5.00	11.03	6.23
6.40	3.00	53.97	40.00	8.37	5.00	10.38	5.63
4.15	3.00	56.70	40.00	8.95	5.00	8.49	5.96
3.94	3.00	55.96	40.00	8.73	5.00	10.16	5.90
4.29	3.00	54.97	40.00	8.92	5.00	10.33	6.03
4.73	3.00	54.02	40.00	9.45	5.00	10.68	5.93
4.58	3.00	54.61	40.00	9.95	5.00	9.80	6.37
4.35	3.00	53.78	40.00	8.95	5.00	11.82	6.17
4.56	3.00	54.72	40.00	9.14	5.00	10.50	6.08
4.19	4.41	55.14	57.83	9.29	6.95	10.18	6.57
4.91	4.41	57.26	57.83	7.61	6.95	9.93	5.23
4.55	4.41	56.20	57.83	8.45	6.95	10.05	5.90
3.81	3.75	56.42	50.00	8.06	10.00	10.74	6.04
3.94	4.00	58.03	50.00	6.83	7.00	10.04	4.60
3.71	4.00	59.83	50.00	6.39	7.00	11.07	4.19
3.83	4.00	58.93	50.00	6.61	7.00	10.55	4.39
4.72	3.58	55.82	54.60	7.29	10.00	10.57	5.22
4.11	4.00	52.68	50.00	9.32	9.50	11.58	6.87
3.96	4.00	54.14	50.00	9.59	9.50	11.27	6.17
4.16	4.00	53.81	50.00	9.45	9.50	10.55	6.28
4.08	4.00	53.54	50.00	9.45	9.50	11.13	6.44
4.38	4.00	57.24	53.00	7.98	9.00	10.91	5.55
4.18	4.00	55.78	53.00	8.79	9.00	11.30	5.82
4.51	4.00	56.26	53.00	9.14	9.00	10.24	6.16
4.36	4.00	55.84	53.00	8.34	9.00	11.39	5.76
4.51	4.00	56.80	53.00	8.41	9.00	10.47	5.28
4.42	4.00	55.48	53.00	8.96	9.00	10.18	6.08
4.50	4.00	51.82	53.00	10.65	9.00	11.08	6.70
4.44	4.00	54.74	53.00	8.56	9.00	10.06	6.01
4.41	4.00	55.50	53.00	8.85	9.10	10.70	5.92



## WHEAT

Name of Manufacturer or Jobber and Brand	Number of Samples Compositd	Station Number	Protein	
			% Found	% Guaranteed
Dean Mill Co., Ava, Ill. Wheat Bran.	1	1661	14.87	13.00
Diamond Mills Co., Sherman, Texas. Wheat Bran.	5	706	14.69	15.00
	1	1413	16.25	15.00
	Average .....	6	15.47	15.00
Enid Mill & Elevator Co., Enid, Okla. Wheat Bran.	1	1740	18.18	16.30
R. H. Fa cett Co., St. Joseph, Mo. Wheat Bran.	1	1996	16.13	12.12
Lev. Fowler, Shreveport, La. Mixed Bran.	4	1578	11.50	10.97
	4	1174	14.81	10.97
	5	1261	13.75	10.97
	5	1444	14.00	10.97
	2	1821	12.93	10.97
	1	1987	12.25	10.97
	Average .....	21	13.21	10.97
Lev. Fowler, Kansas City, Mo. Wheat Bran.	2	1091	15.25	7.40
	2	1323	15.38	7.40
	2	1522	15.81	7.40
	2	1706	13.87	7.40
	3	1809	14.68	7.40
	3	1923	14.06	7.40
	Average .....	14	14.84	7.40
Fowler Commission Co., Rosedale, Kan. Wheat Bran.	1	2091	14.75	14.13
H. L. Halliday Milling Co., Cairo, Ill. Pure Wheat Bran.	2	1017	16.50	14.00
	4	700	15.63	14.00
	Average .....	6	16.07	14.00

## BRAN.

Fat		Carbohydrates		Fiber		Water	Ash
% Found	% Guar- anteed	% Found	% Guar- anteed	% Found	% Guar- anteed	% Found	% Found
4.20	3.50	55.90	35.00	9.13	15.00	9.11	6.79
4.41	5.00	53.67	53.00	9.67	8.82	11.03	6.53
4.61	5.00	54.37	53.00	7.41	8.82	12.18	5.18
4.51	5.00	54.02	53.00	8.54	8.82	11.60	5.86
3.74	3.70	53.20	59.80	9.41	7.50	9.62	5.85
3.40	5.89	49.87	60.87	11.80	2.96	11.48	7.32
2.91	5.72	68.82	48.41	4.19	16.86	9.33	3.25
6.09	5.72	51.49	48.41	10.01	16.86	10.79	6.81
7.69	5.72	51.86	48.41	10.43	16.86	8.81	7.46
8.01	5.72	51.22	48.41	8.27	16.86	11.91	6.59
3.34	5.72	61.78	48.41	6.89	16.86	10.48	4.58
4.00	5.72	52.74	48.41	12.58	16.86	10.55	7.88
5.34	5.72	56.33	48.41	8.72	16.86	10.31	6.09
4.64	4.08	55.03	49.00	8.49	14.18	10.42	6.17
4.15	4.08	56.60	49.00	8.69	14.18	9.69	5.49
4.22	4.08	53.40	49.00	8.83	14.18	12.06	5.68
4.00	4.08	54.77	49.00	10.28	14.18	10.33	6.75
4.31	4.08	53.57	49.00	10.58	14.18	10.31	6.55
3.95	4.08	55.93	49.00	9.45	14.18	10.43	6.18
4.21	4.08	54.88	49.00	9.39	14.18	10.54	6.14
4.41	3.00	55.55	55.31	8.98	10.31	10.25	6.06
4.62	4.00	54.29	55.00	7.91	8.50	10.62	6.06
4.50	4.00	54.60	55.00	7.54	8.50	11.67	6.06
4.56	4.00	54.45	55.00	7.72	8.50	11.14	6.06

## WHEAT

Name of Manufacturer or Jobber and Brand	Number of Samples Compositd	Station Number	Protein	
			% Found	% Guaranteed.
Higginsville Milling Co., Higginsville, Mo. Wheat Bran.	3 1 3 1 1	1445 1765 1919 2076 2169	15.61 15.00 15.13 14.69 16.38	14.23 14.23 14.23 14.23 14.23
Average .....	9		15.36	14.23
R. J. House & Co., Kansas City, Mo. Wheat Bran.	1	1215	14.06	17.70
Hunter Bros. Milling Co., St. Louis, Mo. Wheat Bran.	8 1	773 1014	16.31 15.56	14.85 14.85
Average .....	9		15.94	14.85
Pure Wheat Bran.	2	1320	15.25	14.00
Wheat Bran.	1	800	15.68	14.00
Wheat Bran.	1	1846	15.88	13.00
Hunter Bros. Milling Co., Kansas City, Mo. Wheat Bran.	1 4 6	1873 743 867	16.94 16.31 16.00	12.50 14.85 14.85
Average .....	10		16.15	14.85
Pure Wheat Bran.	5 10 2 1 7 4	1542 1673 1853 1994 2003 2128	15.25 15.31 15.19 14.25 15.31 15.69	14.00 14.00 14.00 14.00 14.00 14.00
Average .....	29		15.17	14.00
Kansas City Seed & Grain Co., Kansas City, Mo. Wheat Bran.	2 1	1203 1743	16.94 16.09	15.40 15.40
Average .....	3		16.52	15.40

## BRAN.

Fat		Carbohydrates		Fiber		Water	Ash
%	%	%	%	%	%	%	%
Found	Guar- anteed	Found	Guar- anteed	Found	Guar- anteed	Found	Found
4.07	2.60	52.12	54.39	9.49	12.87	12.45	6.26
4.53	2.60	53.22	54.39	9.45	12.87	11.22	6.58
4.33	2.60	52.74	54.39	10.60	12.87	10.33	6.87
4.08	2.60	56.09	54.39	8.54	12.87	9.96	6.64
4.50	2.60	51.56	54.39	9.83	12.87	11.36	6.37
4.30	2.60	53.15	54.39	9.58	12.87	11.06	6.55
4.06	5.70	56.65	50.09	8.74	10.40	10.25	6.24
4.05	3.58	54.21	54.60	8.68	10.00	10.82	5.93
4.45	3.58	55.21	54.60	7.89	10.00	11.10	5.79
4.25	3.58	54.71	54.60	8.28	10.00	10.96	5.86
3.70	3.50	55.45	54.00	8.59	10.00	11.15	5.86
4.61	3.00	55.15	40.00	8.88	5.00	9.93	5.75
3.50	3.50	55.66	35.00	8.90	10.00	10.03	6.03
4.06	2.75	54.11	51.60	9.50	12.00	9.14	6.25
4.53	3.58	53.18	54.69	8.53	10.00	10.95	6.50
4.58	3.58	54.02	54.69	8.34	10.00	11.53	5.53
4.56	3.58	53.60	54.69	8.43	10.00	11.24	6.01
4.11	3.50	55.53	54.00	7.74	10.00	12.09	5.28
4.12	3.50	55.04	54.00	8.48	10.00	10.73	6.32
4.26	3.50	55.80	54.00	8.65	10.00	9.92	6.18
3.58	3.50	55.31	54.00	9.83	10.00	12.10	4.93
4.20	3.50	53.44	54.00	9.70	10.00	11.30	6.05
4.33	3.50	55.56	54.00	8.44	10.00	10.49	5.49
4.10	3.50	55.11	54.00	8.81	10.00	11.10	5.71
4.48	4.00	52.90	62.90	9.49	9.00	10.13	6.06
3.80	4.00	55.58	62.90	9.66	9.00	8.82	6.05
4.14	4.00	54.24	62.90	9.58	9.00	9.47	6.05

## WHEAT

Name of Manufacturer or Jobber and Brand	Number of Samples Compositd	Station Number	Protein	
			% Found	% Guaranteed
Keller Grocery Co., Monroe, La. Wheat Bran.	1	1097	14.56	14.00
Kelly-Lysle Milling Co., Leavenworth, Kan. Pure Wheat Bran.	5	1573	15.31	15.04
	7	717	14.44	15.04
	6	1107	14.75	15.04
	8	1230	14.63	15.04
	13	862	14.25	15.04
	3	1363	14.50	15.04
	6	1443	14.50	15.04
	2	657	15.78	15.04
	2	1704	15.00	15.04
	2	1823	14.09	15.04
	7	1885	14.44	15.04
	3	2019	14.06	15.04
	6	2100	14.56	15.04
Average .....	70		14.64	15.04
Kelly Milling Co., Kansas City, Mo. Wheat Bran.	3	956	16.19	14.85
	3	1260	16.31	14.85
	7	1154	16.56	14.85
	2	1544	15.44	14.85
	6	2017	15.25	14.85
	3	2122	15.63	14.85
	1	2175	16.00	14.85
Average .....	25		15.91	14.85
Wheat Bran.	2	1460	16.00	15.00
W. T. Kemper Elevator Co., Kansas City, Mo. Kemper Bran.	4	1158	15.50	14.50
	4	720	14.88	14.50
	4	1018	15.94	14.50
	8	1431	14.75	14.50
	2	1647	16.38	14.50
	3	1807	16.06	14.50
	1	1984	13.75	14.50
	4	2020	15.19	14.50
Average .....	30		15.31	14.50



## BRAN.

Fat		Carbohydrates		Fiber		Water	Ash
% Found	% Guar- anteed	% Found	% Guar- anteed	% Found	% Guar- anteed	% Found	% Found
5.13	4.20	51.49	57.00	9.82	7.00	11.79	7.21
3.55	4.00	54.04	53.09	9.99	9.00	10.00	7.11
4.22	4.00	55.75	53.09	9.48	9.00	9.48	6.63
4.73	4.00	54.76	53.09	8.76	9.00	11.01	5.99
4.32	4.00	54.52	53.09	9.99	9.00	10.06	6.48
4.03	4.00	53.76	53.09	10.19	9.00	11.17	6.60
4.48	4.00	56.77	53.09	8.43	9.00	9.63	6.19
4.13	4.00	53.07	53.09	9.07	9.00	13.06	6.17
5.25	4.00	52.90	53.09	9.02	9.00	10.17	6.88
3.97	4.00	53.56	53.09	9.78	9.00	10.26	7.43
4.02	4.00	54.45	53.09	10.22	9.00	10.32	6.90
4.00	4.00	53.75	53.09	9.25	9.00	11.70	6.86
4.07	4.00	52.94	53.09	10.36	9.00	11.93	6.64
4.05	4.00	52.27	53.09	9.80	9.00	13.03	6.29
4.22	4.00	54.04	53.09	9.56	9.00	10.91	6.63
4.06	3.58	52.12	54.60	9.30	10.00	12.28	6.05
4.33	3.58	57.23	54.60	7.41	10.00	9.39	5.33
4.42	3.58	54.75	54.60	7.91	10.00	10.67	5.69
4.03	3.58	55.93	54.60	7.99	10.00	10.90	5.71
4.50	3.58	54.12	54.60	9.65	10.00	10.60	5.88
4.27	3.58	55.25	54.60	8.37	10.00	10.77	5.71
4.62	3.58	52.39	54.60	9.41	10.00	11.97	5.61
4.32	3.58	51.54	54.60	8.58	10.00	10.94	5.71
.36	4.25	55.44	54.00	7.41	9.00	11.38	5.41
4.18	5.60	51.98	50.40	10.08	13.50	11.35	6.91
4.40	5.60	54.62	50.40	9.76	13.50	8.83	7.51
6.55	5.60	49.47	50.40	10.46	13.50	9.88	7.70
3.59	5.60	54.10	50.40	9.62	13.50	10.71	7.23
4.09	5.60	53.12	50.40	9.70	13.50	9.84	6.87
3.97	5.60	53.10	50.40	9.94	13.50	9.78	7.15
4.33	5.60	55.05	50.40	9.23	13.50	11.48	6.16
3.73	5.60	52.90	50.40	9.96	13.50	11.85	6.37
4.36	5.60	53.04	50.40	9.84	13.50	10.46	6.99

## WHEAT

Name of Manufacturer or Jobber and Brand	Number of Samples Compositied	Station Number	Protein	
			% Found	% Guaranteed
W. T. Kemper Elevator Co., Kansas City, Mo. Wheat Bran.	7	746	16.56	14.85
	13	861	14.88	14.85
	5	949	16.44	14.85
	5	1110	17.00	14.85
	8	1126	16.42	14.85
	4	1318	16.13	14.85
	4	1467	14.87	14.85
	1	1601	14.86	14.85
	1	2090	15.69	14.85
	3	2091	15.81	14.85
	3	1802	14.62	14.85
	6	1891	14.63	14.85
	5	2126	16.81	14.85
	Average .....	65	15.75	14.85
H. T. Lawler, M. & T. Co., New Orleans, La. Fat Stock Pure Wheat Bran.	1	1005	13.38	14.85
	1	1613	14.13	14.85
	Average .....	2	13.76	14.85
Leavenworth Milling Co., Leavenworth, Kan. Pure Wheat Bran.	9	722	12.94	15.19
	5	925	14.50	15.19
	9	1029	15.06	15.19
	7	1274	15.00	15.19
	7	1396	13.94	15.19
	3	1597	14.75	15.19
	4	1785	14.53	15.19
	1	2075	15.19	15.19
	3	2125	15.44	15.19
	Average .....	48	14.59	15.19
Lexington Flouring Mills, Lexington, Mo. Bran.	3	767	15.50	13.57
	1	1695	15.31	13.57
	Average .....	3	15.41	13.57
Lukens Milling Co., Atchison, Kan. Wheat Bran.	3	1201	14.50	11.00
	1	1862	13.69	11.00
	Average .....	4	14.10	11.00

## BRAN.

Fat		Carbohydrates		Fiber		Water	Ash
% Found	% Guar- anteed	% Found	% Guar- anteed	% Found	% Guar- anteed	% Found	% Found
4.19	3.58	52.84	54.60	9.34	10.00	10.91	6.16
4.72	3.58	53.65	54.60	8.57	10.00	12.52	5.66
4.60	3.58	52.47	54.60	8.85	10.00	11.65	5.99
4.64	3.58	53.78	54.60	8.93	10.00	9.23	6.42
4.20	3.58	53.08	54.60	9.27	10.00	11.12	5.91
4.16	3.58	52.45	54.60	9.40	10.00	11.35	6.51
3.88	3.58	52.63	54.60	10.19	10.00	11.97	6.46
3.95	3.58	54.71	54.60	9.68	10.00	10.28	6.52
4.37	3.58	52.81	54.60	10.69	10.00	9.93	6.48
4.23	3.58	51.45	54.60	9.32	10.00	12.96	6.23
4.21	3.58	55.50	54.60	8.92	10.00	10.70	6.05
4.20	3.58	52.23	54.60	10.42	10.00	12.00	6.52
4.50	3.58	52.24	54.60	9.94	10.00	10.37	6.14
4.30	3.58	53.07	54.60	9.50	10.00	11.15	6.23
4.32	3.58	57.91	54.00	7.46	10.00	11.28	5.65
3.70	3.58	55.73	54.00	9.07	10.00	10.98	6.39
4.01	3.58	56.82	54.00	8.26	10.00	11.13	6.02
3.98	3.85	55.75	52.85	10.12	9.15	10.62	6.59
4.16	3.85	54.66	52.85	9.33	9.15	11.27	6.08
4.45	3.85	56.07	52.85	8.63	9.15	10.00	5.79
4.35	3.85	56.48	52.85	8.16	9.15	10.46	5.55
4.17	3.85	54.74	52.85	9.99	9.15	10.62	6.54
3.97	3.85	54.44	52.85	9.50	9.15	10.47	6.87
4.32	3.85	56.15	52.85	9.08	9.15	9.84	6.08
4.27	3.85	53.08	52.85	10.36	9.15	10.75	6.35
4.32	3.85	53.48	52.85	9.71	9.15	10.53	6.52
4.22	3.85	54.99	52.85	9.43	9.15	10.51	6.26
4.64	3.47	53.75	51.95	9.48	11.48	9.31	7.32
3.85	3.47	58.18	51.95	7.14	11.48	10.68	4.84
4.25	3.47	55.96	51.95	8.31	11.48	9.99	6.08
4.34	3.50	53.88	50.00	9.80	12.00	10.57	6.91
3.47	3.50	57.42	50.00	9.38	12.00	10.20	5.84
3.91	3.50	55.65	50.00	9.59	12.00	10.38	6.37

## WHEAT

Name of Manufacturer or Jobber and Brand	Number of Samples Compositd	Station Number	Protein	
			% Found	% Guaranteed
McEwen Grain Co., Kansas City, Mo. Wheat Bran.	1	1080	16.31	14.01
	1	1991	15.03	14.01
	Average .....	2	15.67	14.01
J. F. Meyers & Son, Springfield, Mo. Albatross Bran.	1	801	16.25	14.75
	1	1098	15.81	14.75
	1	1741	15.81	14.75
	Average .....	3	15.96	14.75
Model Feed.	1	802	15.00	14.50
Missouri & Kansas Grain Co., Neosho, Mo. Pure Wheat Bran.	1	817	12.37	9.00
	2	1022	13.56	9.00
	8	1509	14.81	9.00
	3	1161	14.13	9.00
	5	1425	15.81	9.00
	2	1822	15.00	9.00
	3	2018	15.69	9.00
	Average .....	24	14.47	9.00
Nelson Grain Co., Kansas City, Mo. Pure Wheat Bran.	1	2168	15.69	8.30
Neosho Milling Co., Neosho, Mo. Wheat Bran.	3	1079	15.25	13.00
	2	1303	15.56	13.00
	Average .....	5	15.41	13.00
New Athens Milling Co., New Athens, Ill. Pure Wheat Bran.	1	1662	16.50	14.00
New Era Milling Co., Arkansas City, Kan. Wheat Bran.	1	1603	16.94	14.82
	2	1202	16.56	14.82
	3	1808	16.00	14.82
	Average .....	6	16.50	14.82

## BRAN.

Fat		Carbohydrates		Fiber		Water	Ash
% Found	% Guar- anteed	% Found	% Guar- anteed	% Found	% Guar- anteed	% Found	% Found
4.28	6.05	54.42	58.01	8.03	9.03	11.09	5.87
4.43	6.05	54.25	58.01	9.34	9.03	11.10	5.85
4.36	6.05	54.34	58.01	8.68	9.63	11.09	5.86
5.13	3.65	55.77	52.00	8.13	10.50	9.32	5.40
4.49	3.65	55.52	52.00	8.07	10.50	11.11	5.00
4.20	3.65	57.73	52.00	8.03	10.50	9.33	4.90
4.61	3.65	56.34	52.00	8.07	10.50	9.92	5.10
4.66	3.50	57.85	54.00	7.63	8.50	9.26	5.60
4.13	3.00	56.99	54.00	9.13	10.00	10.95	6.43
6.95	3.00	56.67	54.00	8.93	10.00	9.48	4.41
5.18	3.00	56.27	54.00	9.17	10.00	9.32	5.25
6.34	3.00	56.60	54.00	8.18	10.00	10.07	4.68
4.44	3.00	53.79	54.00	8.31	10.00	12.03	5.62
4.57	3.00	53.01	54.00	10.01	10.00	10.28	7.13
3.97	3.00	53.81	54.00	9.00	10.00	11.94	5.59
5.09	3.00	55.31	54.00	8.96	10.00	10.58	5.59
4.41	2.40	53.37	60.00	10.11	15.40	10.79	5.63
4.21	3.30	56.15	45.00	7.56	10.00	11.78	5.05
4.50	3.30	56.65	45.00	8.65	10.00	9.25	5.39
4.36	3.30	56.40	45.00	8.10	10.00	10.51	5.22
4.48	3.20	55.45	54.00	7.76	7.50	10.10	5.71
4.58	9.02	53.72	38.04	9.00	28.10	10.18	5.58
4.51	9.02	52.75	38.04	9.10	28.10	11.04	6.04
4.01	9.02	54.60	38.04	9.80	28.10	9.51	6.08
4.37	9.02	53.69	38.04	9.30	28.10	10.24	5.90



## WHEAT

Name of Manufacturer or Jobber and Brand	Number of Samples Compositd	Station Number	Protein	
			% Found	% Guaranteed
New Orleans Milling Co., New Orleans, La. Bran.	3	1265	15.31	15.19
	4	707	15.34	15.19
	1	1008	15.75	15.19
	1	1983	15.31	15.19
Average .....	9		15.43	15.19
Nicholas Scharff & Son Grocer Co., St. Louis, Mo. Wheat Bran.	1	1979	15.75	14.10
Oklahoma City Mills and Elevator Co., Oklahoma City, Okla. Wheat Bran.	1	842	14.69	16.94
	1	1009	17.25	16.94
	2		15.97	16.94
Average .....	2		15.97	16.94
Wheat Bran.	1	848	17.75	14.85
Thos. Page, Topeka, Kan. Wheat Bran.	1	1010	15.50	14.75
The Pearl Roller Mills, Oswego, Kan. Wheat Bran.	5	962	15.19	14.69
	7	1181	14.87	14.69
	3	1284	15.38	14.69
	4	1399	15.06	14.69
	2	1543	13.34	14.69
	3	1626	13.87	14.69
	4	1789	14.43	14.69
Average .....	26		14.59	14.69
Pioneer Flour Mills, San Antonio, Texas. Wheat Bran.	1	2174	17.56	14.50

## BRAN.

Fat		Carbohydrates		Fiber		Water	Ash
% Found	% Guar- anteed	% Found	% Guar- anteed	% Found	% Guar- anteed.	% Found	% Found
4.14	3.22	55.99	55.45	9.01	9.47	9.67	5.88
4.30	3.22	57.23	55.45	7.09	9.47	11.09	4.95
4.43	3.22	54.46	55.45	8.64	9.47	10.41	6.31
4.15	3.22	54.57	55.45	8.70	9.47	11.45	5.82
4.25	3.22	55.56	55.45	8.36	9.47	10.66	5.74
4.53	4.50	51.34	52.00	10.74	8.90	11.38	6.26
4.93	4.50	54.31	53.54	8.58	8.53	11.95	5.54
4.62	4.50	55.27	53.54	6.86	8.53	10.58	5.42
4.78	4.50	54.79	53.54	7.72	8.53	11.26	5.48
4.94	3.53	51.28	54.60	8.50	10.00	11.84	5.69
4.48	3.75	54.73	55.41	8.92	8.60	10.21	6.16
3.76	3.92	57.00	56.84	6.67	8.30	12.73	4.65
4.19	3.92	60.22	56.84	6.39	8.30	10.12	4.21
4.22	3.92	60.19	56.84	6.51	8.30	9.54	4.16
3.77	3.92	58.76	56.84	6.37	8.30	11.83	4.21
3.70	3.92	63.65	56.84	4.93	8.30	11.28	3.10
3.70	3.92	63.62	56.84	5.84	8.30	9.19	3.78
3.77	3.92	61.51	56.84	6.28	8.30	10.13	3.88
3.87	3.92	60.71	56.84	6.14	8.30	10.69	4.00
3.98	3.50	54.15	50.00	7.14	10.00	12.18	4.99

## WHEAT

Name of Manufacturer or Jobber and Brand	Number of Samples Compositd	Station Number	Protein	
			% Found	% Guaranteed
Geo. P. Plant Milling Co., St. Louis, Mo. Pure Wheat Bran.	5	718	15.75	15.43
	5	911	15.31	15.43
	4	1108	15.59	15.43
	3	1175	15.19	15.43
	3	1283	16.69	15.43
	4	1361	14.38	15.43
	9	1575	15.44	15.43
	3	1806	15.28	15.43
	5	1881	15.19	15.43
	1	2085	15.69	15.43
	4	2101	14.13	15.43
Average .....	46		15.33	15.43
Ralston Purina Co., St. Louis, Mo. Wheat Bran.	2	1219	15.38	14.10
Rea Patterson Milling Co., Coffeyville, Kan. Wheat Bran.	2	1316	15.75	14.52
Reichert Milling Co., Freeburg, Ill. Wheat Bran.	6	729	8.31	11.05
	2	989	15.81	11.05
	5	1341	15.31	11.05
	5	1172	15.25	11.05
	5	1270	15.19	11.05
	4	1466	13.94	11.05
	5	1665	15.75	11.05
	2	1827	14.31	11.05
	3	1922	16.13	11.05
	2	2027	15.56	11.05
Average .....	39		14.56	11.05
Saxony Mills, St. Louis, Mo. Saxony Wheat Bran.	3	740	15.25	12.00
	2	887	13.63	12.00
	3	1241	15.75	12.00
	2	1724	15.75	12.00
	2	1828	16.25	12.00
	1	1995	15.88	12.00
	2	2116	15.69	12.00
Average .....	15		15.46	12.00
Russell Grain Co., Kansas City, Mo. Square Deal Bran.	1	1732	14.50	14.20

## BRAN.

Fat		Carbohydrates		Fiber		Water	Ash
% Found	% Guar- anteed.	% Found	% Guar- anteed	% Found	% Guar- anteed	% Found	% Found
4.24	3.27	55.77	54.63	8.87	9.72	9.23	6.14
4.30	3.27	54.37	54.63	8.82	9.72	11.07	6.13
4.57	3.27	54.19	54.63	8.72	9.72	10.66	6.27
4.39	3.27	54.32	54.63	9.52	9.72	9.94	6.64
4.84	3.27	54.35	54.63	8.83	9.72	9.30	5.99
5.85	3.27	53.39	54.63	9.10	9.72	10.94	6.34
4.24	3.27	54.98	54.63	9.30	9.72	9.70	6.34
4.17	3.27	53.98	54.63	9.94	9.72	10.23	6.40
4.93	3.27	52.72	54.63	9.25	9.72	11.57	6.34
4.26	3.27	53.55	54.63	9.32	9.72	11.02	6.16
3.60	3.27	53.70	54.63	11.39	9.72	11.99	5.19
4.49	3.27	54.12	54.63	9.37	9.72	10.51	6.18
4.85	4.50	53.79	52.00	9.42	8.90	10.24	6.32
4.01	3.29	56.54	55.96	7.87	8.50	10.25	5.58
3.30	2.00	63.67	45.00	12.07	15.00	8.80	3.85
4.55	2.00	56.21	45.00	7.55	15.00	10.19	5.65
4.70	2.00	55.26	45.00	7.86	15.00	11.01	5.86
4.47	2.00	56.98	45.00	7.83	15.00	9.99	5.48
4.73	2.00	55.23	45.00	8.46	15.00	10.57	5.82
4.66	2.00	57.10	45.00	7.59	15.00	11.12	5.59
4.33	2.00	56.22	45.00	8.11	15.00	9.63	5.96
4.83	2.00	56.26	45.00	8.38	15.00	10.22	6.00
4.65	2.00	54.87	45.00	8.33	15.00	10.03	5.99
4.90	2.00	54.00	45.00	7.67	15.00	11.89	5.98
4.51	2.00	56.58	45.00	8.38	15.00	10.35	5.62
5.04	3.00	55.63	52.00	8.10	10.00	9.92	6.06
4.45	3.00	58.04	52.00	7.51	10.00	11.08	5.29
4.77	3.00	55.40	52.00	8.19	10.00	9.92	5.97
4.65	3.00	55.28	52.00	8.06	10.00	10.48	5.78
4.44	3.00	55.04	52.00	8.59	10.00	9.90	5.78
4.15	3.00	55.11	52.00	8.55	10.00	10.88	5.43
4.43	3.00	55.43	52.00	7.75	10.00	11.24	5.46
4.56	3.00	55.70	52.00	8.11	10.00	10.49	5.68
4.41	4.90	54.38	54.80	9.86	9.70	9.90	6.95

## WHEAT

Name of Manufacturer or Jobber and Brand	Number of Samples Compositd	Station Number	Protein	
			% Found	% Guar-anteed
Sauers Milling Co., Evansville, Ill. Wheat Bran.	3	986	16.06	14.26
	2	1317	15.38	14.26
	1	1993	15.25	14.26
	Average .....	6	15.56	14.26
Scott County Milling Co., Sikeston and Oran, Mo. Wheat Bran.	3	728	14.25	14.15
	2	909	17.00	14.15
	6	1165	15.31	14.15
	4	1262	15.31	14.15
	3	1352	15.50	14.15
	11	1442	15.38	14.15
	8	1572	15.75	14.15
	4	1686	15.13	14.15
	1	1844	17.43	14.15
	1	2072	16.81	14.15
	Average .....	43	15.79	14.15
Security Milling Co., Abeline, Kan. Wheat Bran.	1	1393	15.81	14.85
Seneca Mill & Elevator Co., Seneca, Mo. Wheat Bran	3	1353	16.13	13.75
Slater Mill & Elevator Co., Slater, Mo. Wheat Bran.	2	1326	14.38	14.03
J. Sidney Smith & Son, Kansas City, Mo. Wheat Bran.	1	1216	16.56	14.19
Southern Grain Co., Kansas City, Mo. Wheat Bran.	2	971	15.38	17.17
	1	799	17.28	17.17
	1	1047	13.56	17.17
	1	1392	13.34	17.17
	1	2086	16.44	17.17
	Average .....	6	15.20	17.17



## BRAN.

Fat		Carbohydrates		Fiber		Water	Ash
% Found	% Guar- anteed	% Found	% Guar- anteed	% Found	% Guar- anteed	% Found	% Found
4.55	3.21	53.31	55.18	8.38	8.80	11.61	6.09
4.50	3.21	55.07	55.18	8.38	8.80	10.51	6.16
4.43	3.21	54.22	55.18	8.90	8.80	11.48	5.72
4.49	3.21	54.20	55.18	8.56	8.80	11.20	5.99
4.57	4.50	57.97	57.00	7.61	7.10	9.73	5.87
4.58	4.50	53.36	57.00	7.66	7.10	11.47	5.93
4.54	4.50	56.37	57.00	7.02	7.10	11.39	5.37
4.52	4.50	57.53	57.00	6.98	7.10	10.03	5.63
4.50	4.50	57.78	57.00	6.67	7.10	10.17	5.38
4.04	4.50	58.14	57.00	5.89	7.10	11.78	4.77
4.16	4.50	56.71	57.00	7.11	7.10	10.78	5.49
4.08	4.50	58.74	57.00	6.70	7.10	10.17	5.18
4.12	4.50	56.78	57.00	7.87	7.10	8.05	5.75
4.70	4.50	54.24	57.00	7.32	7.10	10.85	6.0
4.38	4.50	56.76	57.00	7.08	7.10	10.44	5.55
3.97	3.58	56.43	54.60	7.32	10.00	11.86	4.61
4.24	2.80	55.08	49.90	9.04	16.25	9.68	5.83
4.52	3.61	54.16	51.68	10.18	9.28	9.45	7.31
4.56	3.92	54.29	60.56	8.50	8.50	10.41	5.68
4.24	5.09	52.63	50.09	9.95	10.04	10.89	6.91
4.44	5.09	52.09	50.09	9.79	10.04	9.70	6.70
4.20	5.09	55.38	50.09	10.02	10.04	10.31	6.53
3.90	5.09	54.02	50.09	10.62	10.04	11.86	6.26
3.68	5.09	54.04	50.09	9.32	10.04	10.34	6.18
4.09	5.09	53.63	50.09	9.94	10.04	10.62	6.52

## WHEAT

Name of Manufacturer or Jobber and Brand	Number of Samples Compositd	Station Number	Protein	
			% Found	% Guaranteed
Southwestern Milling Co., Kansas City, Mo. Wheat Bran.	1	798	13.56	14.85
	2	1820	14.81	14.85
	1	1951	14.38	14.85
	1	2081	14.06	14.85
Average .....	5		14.20	14.85
Stanard Tilton Milling Co., Dallas, Texas. Bran.	8	747	15.66	18.64
	4	958	17.00	18.64
	4	1140	16.81	18.64
	1	1535	16.91	18.64
	4	1786	16.93	18.64
	4	1920	16.63	18.64
	2	2029	16.94	18.64
	1	2171	17.31	18.64
Average .....	28		16.78	18.64
St. Mary's Mills Co., St. Mary's, Mo. Soft Winter Wheat Bran.	9	681	15.88	15.06
	8	821	13.94	15.06
	11	915	13.88	15.06
	12	1109	16.38	15.06
	8	1272	16.38	15.06
	12	1398	16.25	15.06
	4	1496	16.00	15.06
	6	1574	16.06	15.06
	4	1679	16.00	15.06
	7	1771	16.31	15.06
	4	1899	16.31	15.06
	3	2028	16.88	15.06
	7	2127	17.63	15.06
	1	2170	17.69	15.06
Average .....	96		16.11	15.06
Texas Star Flour Mills, Galveston, Texas. Wheat Bran.	5	1489	15.37	15.37
	2	1829	17.63	15.37
	2	1939	17.81	15.37
	1	2077	17.37	15.37
	3	2120	17.00	15.37
Average .....	13		17.04	15.37
Vanderslice-Lynds Co., Kansas City, Mo. Wheat Bran.	1	895	16.00	14.85
	3	1156	15.88	14.85
Average .....			15.94	14.85

## BRAN.

Fat		Carbohydrates		Fiber		Water	Ash
% Found	% Guar- anteed	% Found	% Guar- anteed	% Found	% Guar- anteed	% Found	% Found
4.25	3.58	57.04	54.60	9.44	10.00	9.79	5.92
4.46	3.58	54.12	54.60	9.38	10.00	10.50	6.73
3.80	3.58	54.31	54.60	9.75	10.00	11.38	6.38
4.07	3.58	55.00	54.60	9.63	10.00	10.35	6.89
4.1	3.58	55.12	54.60	9.55	10.00	10.50	6.48
4.73	5.20	57.38	54.15	7.68	9.08	9.42	5.13
4.64	5.20	54.06	54.15	7.52	9.08	11.65	5.13
4.79	5.20	54.25	54.15	7.73	9.08	11.03	5.39
4.77	5.20	54.57	54.15	7.75	9.08	11.28	5.44
3.91	5.20	55.09	54.15	7.88	9.08	10.74	5.45
4.43	5.20	53.93	54.15	8.11	9.08	11.35	5.55
4.68	5.20	54.69	54.15	8.02	9.08	10.34	5.33
4.74	5.20	53.65	54.15	8.07	9.08	10.84	5.39
4.59	5.20	54.70	54.15	7.85	9.08	10.83	5.5
5.08	3.06	55.02	54.70	7.77	8.93	10.38	5.87
4.55	3.06	55.28	54.70	8.38	8.93	11.92	5.93
4.73	3.06	56.45	54.70	8.35	8.93	10.33	6.26
4.41	3.06	54.26	54.70	8.12	8.93	10.87	5.96
4.70	3.06	54.20	54.70	8.25	8.93	10.65	5.82
4.69	3.06	54.57	54.70	7.64	8.93	11.20	5.65
4.67	3.06	56.82	54.70	7.58	8.93	9.52	5.41
4.44	3.06	56.46	54.70	7.32	8.93	10.16	5.56
4.57	3.06	55.92	54.70	7.98	8.93	9.86	5.67
4.62	3.06	55.36	54.70	8.07	8.93	9.61	6.03
4.60	3.06	56.02	54.70	7.80	8.93	9.78	5.49
4.64	3.06	53.15	54.70	8.04	8.93	11.27	6.02
4.79	3.06	53.05	54.70	7.67	8.93	10.61	6.25
5.00	3.06	52.11	54.70	7.89	8.93	10.90	6.41
4.68	3.06	54.91	54.70	7.92	8.93	10.50	5.88
3.89	4.20	54.88	54.16	8.59	8.45	11.46	5.81
4.09	4.20	54.89	54.16	7.70	8.45	10.36	5.33
3.83	4.20	53.57	54.16	9.10	8.45	10.25	5.44
3.94	4.20	55.53	54.16	7.85	8.45	10.20	5.10
3.98	4.20	54.97	54.16	7.68	8.45	11.23	5.14
3.95	4.20	54.77	54.16	8.18	8.45	10.70	5.36
4.47	3.58	49.67	54.60	11.28	10.00	10.94	7.64
4.38	3.58	49.97	54.60	10.95	10.00	11.61	7.21
4.42	3.58	49.82	54.60	11.11	10.00	11.27	7.

## WHEAT

Name of Manufacturer or Jobber and Brand	Number of Samples Compositd	Station Number	Protein	
			% Found	% Guaranteed
Washington Flour Mills, Washington, Mo. Bran.	1	1065	16.88	14.80
Western Star Milling Co., Salina, Kan. Bran.	6 1	712 903	17.50 15.13	14.85 14.85
Average .....	7		16.32	14.85
Wheat Bran.	1	2172	17.50	12.50
Wheat Bran.	2 4 3	893 2022 2123	15.06 15.63 16.75	14.85 14.85 14.85
Average .....	9		15.81	14.85
Wheat Bran.	3 2 1	937 1648 1976	16.75 15.88 15.63	12.50 12.50 12.50
Average .....	6		16.09	12.50
Yates & Donelson Co., Memphis, Tenn. Pure Wheat Bran.	1 2	815 1663	15.44 11.69	14.85 14.85
Average .....	3		13.57	14.85
Mixed Bran.	1	1990	13.69	13.25
Zenith Milling Co., Kansas City, Mo. Bran in Unbranded Sacks Marked "B."	5 3 4 3 4 1 1	727 1160 1271 1493 1569 1997 2176	15.38 14.00 15.63 15.19 14.25 15.13 16.06	14.05 14.05 14.05 14.05 14.05 14.05 14.05
Average .....	21		15.09	14.05
Wheat Bran.	1	1377	13.56	16.00

## BRAN.

Fat		Carbohydrates		Fiber		Water	Ash
% Found	% Guar- anteed	% Found	% Guar- anteed	% Found	% Guar- anteed	% Found	% Found
4.43	3.97	52.56	52.83	8.84	9.00	11.37	5.92
4.79	3.58	54.05	45.60	7.50	10.00	10.86	5.30
4.43	3.58	55.15	45.60	9.13	10.00	10.28	5.88
4.61	3.58	54.60	45.60	8.31	10.00	10.57	5.59
4.33	2.75	51.21	51.60	9.30	12.00	11.17	6.49
4.45	3.58	52.11	54.60	9.20	10.00	12.49	6.69
4.20	3.58	53.80	54.60	9.43	10.00	11.08	5.86
4.00	3.58	52.14	54.60	9.30	10.00	11.49	6.32
4.22	3.58	52.68	54.60	9.31	10.00	11.69	6.29
3.91	2.75	52.91	51.60	9.76	12.00	10.78	5.89
4.10	2.75	54.79	51.60	9.76	12.00	9.54	5.93
4.25	2.75	52.94	51.60	10.38	12.00	11.18	5.62
4.09	2.75	53.55	51.60	9.96	12.00	10.50	5.81
4.08	3.58	57.16	54.60	6.69	10.00	11.47	5.16
4.06	3.58	62.75	54.60	7.49	10.00	9.90	4.11
4.07	3.58	59.96	54.60	7.09	10.00	10.68	4.63
4.43	3.70	58.77	57.15	7.95	10.00	10.70	4.46
4.32	5.05	53.96	50.04	9.69	13.05	10.33	6.32
4.65	5.05	54.92	50.04	9.02	13.05	11.69	5.72
4.57	5.05	53.87	50.04	8.99	13.05	11.16	5.78
4.67	5.05	55.46	50.04	8.67	13.05	10.40	5.61
4.56	5.05	56.51	50.04	9.03	13.05	9.72	5.93
5.08	5.05	53.78	50.04	8.63	13.05	11.75	5.63
4.16	5.05	51.98	50.04	9.88	13.05	11.85	6.07
4.57	5.05	54.35	50.04	9.13	13.05	10.99	5.87
3.90	7.10	54.57	32.33	9.85	9.00	11.61	6.51



## WHEAT

Name of Manufacturer or Jobber and Brand.	Number of Samples Composed	Station Number	Protein	
			% Found	% Guaranteed
Atchison Live Stock Co., Atchison, Kan. Triumph White Shorts.	1	792	14.22	12.00
Atchison Live Stock Co., Atchison, Kan. Wheat Shorts.	14 1 2 3 3	692 877 1205 1921 2033	16.25 13.19 15.75 15.75 17.28	10.50 10.50 10.50 10.50 10.50
Average .....	23		15.64	10.50
Aurora Milling Co., Aurora, Mo. Cream Wheat Short.	16 2	979 1285	15.44 14.25	15.00 15.00
Average .....	18		14.85	15.00
The Blair Milling Co., Atchison, Kan. Blair's Shorts.	2 3 1 3 2 1	894 1292 1754 731 1872 2177	15.06 15.81 16.87 17.06 13.88 16.00	16.75 16.75 16.75 16.75 16.75 16.75
Average .....	12		15.78	16.75
The Cain Mill Co., Atchison, Kan. Cain's Shorts.	2 1 1 3	1085 1861 2059 2142	15.13 17.13 15.75 17.37	15.43 15.43 15.43 15.43
Average .....	7		16.34	15.43
Chopman Milling Co., Sherman, Texas. Stock Feed or Shorts.	1	789	15.28	16.75

## PRODUCTS.

Fat		Carbohydrates		Fiber		Water	Ash
Found	% Guar- anteed	% Found	% Guar- anteed	% Found	% Guar- anteed	% Found	% Found
4.24	4.50	55.58	42.00	10.24	19.00	9.27	6.45
5.80	1.50	56.97	41.00	6.29	19.50	10.35	4.34
6.13	1.50	56.54	41.00	7.48	19.50	12.05	4.61
5.31	1.50	57.64	41.00	6.66	19.50	9.95	4.69
4.18	1.50	61.91	41.00	4.08	19.50	10.85	3.23
4.41	1.50	59.69	41.00	4.10	19.50	11.06	3.46
5.16	1.50	58.55	41.00	5.73	19.50	10.85	4.07
4.88	3.60	61.43	60.00	4.32	4.90	10.90	3.03
2.08	3.60	71.19	60.00	1.05	4.90	10.45	0.98
3.48	3.60	66.31	60.00	2.69	4.90	10.67	2.00
5.79	3.50	55.31	58.95	6.86	8.98	12.41	4.57
5.36	3.50	60.53	58.95	4.92	8.98	9.75	3.63
4.21	3.50	58.24	58.95	6.30	8.98	10.23	4.15
4.84	3.50	58.98	58.95	5.69	8.98	9.04	4.39
5.20	3.50	62.10	58.95	5.33	8.98	9.40	4.09
4.12	3.50	60.59	58.95	4.96	8.98	10.72	3.61
4.92	3.50	59.29	58.95	5.68	8.98	10.26	4.07
4.41	4.91	59.41	59.19	5.55	3.22	11.14	4.36
4.75	4.91	57.05	59.19	6.05	3.22	10.75	4.27
4.73	4.91	59.05	59.19	5.21	3.22	11.48	3.78
4.84	4.91	58.02	59.19	5.09	3.22	10.77	3.91
4.68	4.91	58.38	59.19	5.48	3.22	11.04	4.08
4.76	5.25	58.80	56.14	6.38	6.30	10.23	4.55

## WHEAT

Name of Manufacturer or Jobber and Brand	Number of Samples Compositd	Station Number	Protein	
			% Found	% Guaranteed
The Davis Milling Co., St. Joseph, Mo. Pure Wheat Shorts or Middlings.	1	791	14.01	13.00
	2	1187	15.31	13.00
	3	1446	13.63	13.00
	1	1756	15.65	13.00
	2	1925	16.50	13.00
	1	2057	15.25	13.00
	1	2181	16.56	13.00
Average .....	11		15.27	13.00
Diamond Milling Co., Sherman, Texas. Wheat Shorts.	4	732	19.19	17.00
	1	1412	17.00	17.00
Average .....	5		18.09	17.00
Enid Mill & Elevator Co., Enid, Okla. Wheat Shorts.	1	1482	13.06	18.00
Hunter Bros. Milling Co., St. Louis, Mo. Pure Wheat Shorts or Middlings.	1	1863	17.09	16.00
Kelly-Lysle Milling Co., Leavenworth, Kan. Pure Wheat Shorts.	1	659	17.78	14.09
	4	828	14.81	14.09
	7	914	16.13	14.09
	3	1308	16.94	14.09
	2	1491	13.09	14.09
	2	1655	16.00	14.09
	5	1888	16.69	14.09
Average .....	24		15.92	14.09
The Leavenworth Milling Co., Leavenworth, Kan. Pure Wheat Shorts.	7	702	15.13	14.04
	6	953	15.81	14.04
	3	1178	15.94	14.04
	3	1325	15.69	14.04
	4	1654	16.91	14.04
	1	1981	15.94	14.04
	3	2034	16.13	14.04
	1	2178	16.25	14.04
Average .....	28		15.98	14.04

## PRODUCTS.

Fat		Carbohydrates		Fiber		Water	Ash
% Found	% Guar- anteed	% Found	% Guar- anteed	% Found	% Guar- anteed	% Found	% Found
4.71	4.50	61.08	55.00	5.45	5.00	10.80	3.95
4.85	4.50	60.72	55.00	5.16	5.00	9.76	4.20
3.67	4.50	57.12	55.00	8.18	5.00	11.71	5.69
5.01	4.50	60.61	55.00	4.64	5.00	10.26	3.83
3.75	4.50	62.11	55.00	2.55	5.00	10.43	4.66
5.95	4.50	58.50	55.00	5.14	5.00	11.24	3.92
4.27	4.50	59.87	55.00	5.13	5.00	10.43	3.74
4.58	4.50	60.03	55.00	5.18	5.00	10.66	4.28
5.03	6.00	58.33	55.80	4.33	4.74	9.42	3.70
5.16	6.00	55.05	55.80	5.80	4.74	12.26	4.73
5.10	6.00	56.69	55.80	5.06	4.74	10.84	4.22
1.52	5.00	72.54	54.80	0.72	6.40	11.34	0.82
4.45	4.00	58.97	56.00	5.00	10.00	10.70	3.79
4.12	4.50	57.13	56.08	5.68	7.04	10.19	5.11
5.93	4.50	53.94	56.08	6.87	7.04	11.00	4.45
5.15	4.50	56.88	56.08	5.67	7.04	11.72	4.45
5.49	4.50	59.03	56.08	5.64	7.04	8.51	4.39
4.91	4.50	58.72	56.08	7.58	7.04	10.68	5.02
5.03	4.50	60.71	56.08	5.76	7.04	8.54	3.96
5.25	4.50	54.21	56.08	7.52	7.04	11.60	4.73
5.12	4.50	57.66	56.08	6.39	7.04	10.32	4.59
5.13	4.60	59.66	56.04	5.06	7.04	11.10	3.92
4.64	4.60	58.35	56.04	5.15	7.04	12.35	3.70
4.71	4.60	59.95	56.04	5.05	7.04	10.27	4.08
4.63	4.60	59.71	56.04	5.45	7.04	10.49	4.03
4.87	4.60	58.60	56.04	5.83	7.04	9.68	4.11
4.45	4.60	58.08	56.04	6.48	7.04	11.08	3.97
4.33	4.60	58.12	56.04	5.98	7.04	11.20	4.24
4.82	4.60	57.95	56.04	6.18	7.04	10.44	4.36
4.69	4.60	58.80	56.04	5.65	7.04	10.83	4.05

## WHEAT

Name of Manufacturer or Jobber and Brand	Number of Samples Compositd	Station Number	Protein	
			% Found	% Guaranteed
Lexington Flouring Mill, Lexington, Mo. Shorts.	2	761	16.50	16.55
	1	1738	17.30	16.55
	Average .....	3	16.90	16.55
S. C. Le Mar, Rich Hill, Mo. Wheat Shorts.	1	1069	14.94	15.12
Lukens Milling Co., Atchison, Kan. Wheat Shorts.	5	1136	16.44	13.00
	1	1859	16.00	13.00
	Average .....	6	16.22	13.00
McEwen Grain Co., Kansas City, Mo. Wheat Shorts.	3	1910	18.06	14.00
Neosho Milling Co., Neosho, Mo. Wheat Shorts.	1	1063	16.94	15.00
	3	1492	15.06	15.00
	1	1753	16.87	15.00
	1	1980	17.88	15.00
	Average .....	6	16.68	15.00
New Orleans Milling Co., New Orleans, La. Middlings.	3	751	15.50	15.09
	1	1007	15.56	15.09
	2	1327	15.56	15.09
	1	1961	14.69	15.09
	Average .....	7	15.33	15.09
Geo. P. Plant Milling Co., St. Louis, Mo. P. Middlings.	1	803	15.44	17.11
Plant Milling Co., St. Louis, Mo. Wheat Shorts.	1	1480	17.25	17.11
The Rea-Patterson Milling Co., Coffeyville, Kan. Wheat Shorts.	2	1481	17.13	15.22



## PRODUCTS.

Fat		Carbohydrates		Fiber		Water	Ash
% Found	% Guar- anteed	% Found	% Guar- anteed	% Found	% Guar- anteed	% Found	% Found
6.12	5.77	57.05	58.01	4.85	4.33	10.97	4.51
4.12	5.77	53.35	58.01	9.35	4.33	9.83	6.05
5.12	5.77	55.20	58.01	7.10	4.33	10.40	5.28
4.31	4.08	60.65	63.65	4.60	3.75	11.62	3.88
5.21	4.00	56.67	55.00	5.90	9.00	11.19	4.59
4.23	4.00	56.75	55.00	7.10	9.00	10.85	5.07
4.72	4.00	56.71	55.00	6.50	9.00	11.02	4.83
5.25	5.05	56.37	64.00	4.53	5.00	11.60	4.19
5.21	3.50	57.23	52.00	5.97	8.00	10.60	4.05
4.63	3.50	60.74	52.00	4.96	8.00	11.33	3.28
4.73	3.50	58.28	52.00	6.20	8.00	10.19	3.73
3.65	3.50	56.17	52.00	7.89	8.00	11.20	3.21
4.56	3.50	58.11	52.00	6.26	8.00	10.83	3.56
4.36	4.12	57.40	64.05	6.84	3.42	11.13	4.77
4.11	4.12	60.83	64.05	4.50	3.42	11.12	3.88
4.03	4.12	63.58	64.05	4.05	3.42	9.91	2.87
3.70	4.12	65.25	64.05	3.85	3.42	9.80	2.71
4.05	4.12	61.76	64.05	4.81	3.42	10.49	3.56
4.97	4.41	62.09	59.11	5.03	5.18	8.58	3.89
4.65	4.41	57.02	59.18	5.65	5.18	11.18	4.25
4.59	3.94	57.76	61.02	5.62	4.25	11.18	3.72

## WHEAT

Name of Manufacturer or Jobber and Brand	Number of Samples Compositd	Station Number	Protein	
			% Found	% Guar-anteed
Scott County Milling Co., Sikeston and Oran, Mo. Middlings	2	1394	15.88	16.27
	1	1860	15.94	16.27
	Average .....	3	15.91	16.27
Slater Milling Co., Slater, Mo. Wheat Shorts.	2	1309	16.38	15.36
Southwestern Milling Co., Kansas City, Mo. Wheat Shorts. K. C. K. Shorts.	2	891	16.06	14.90
	2	1312	17.63	15.50
	3	1456	15.56	15.50
	1	2180	16.44	15.50
	Average .....	6	16.55	15.50
Stanard Tilton Milling Co., Dallas, Tex. Wheat Shorts.	1	1752	17.93	20.19
	1	1953	16.44	20.19
	1	2060	18.00	20.19
	1	2179	17.31	20.19
	Average .....	4	17.42	20.19
I. M. Yost Milling Co., Hayes City, Kan. Wheat Shorts.	1	1064	18.06	14.90
	1	1739	18.62	14.90
	Average .....	2	18.34	14.90
Carbondale Manufacturing Co., Carbondale, Ill. Shipstuf	2	1926	16.06	16.20
Charleston Milling Co., Charleston, Mo. Shipstuf	1	830	14.87	14.35
City Grain & Feed Co., Columbia, Tenn. Star Mixed Feed.	5	1256	10.25	11.53
	1	663	8.44	11.53
	1	1978	9.94	11.53
	Average .....	7	9.54	11.53

## PRODUCTS.

Fat		Carbohydrates		Fiber		Water	Ash
% Found	% Guar- anteed	% Found	% Guar- anteed	% Found	% Guar- anteed	% Found	% Found
4.53	5.90	61.61	61.60	4.21	3.45	10.31	3.46
3.63	5.90	64.94	61.60	2.63	3.45	10.45	2.41
4.08	5.90	63.28	61.60	3.42	3.45	10.38	2.93
1.42	4.55	63.46	56.39	3.89	5.28	9.09	2.76
5.16	4.50	53.71	56.80	7.57	7.40	12.82	4.68
5.17	5.25	54.20	61.25	8.60	6.25	9.32	5.08
4.31	5.25	55.64	61.25	7.06	6.25	12.34	5.09
5.29	5.25	57.50	61.25	5.26	6.25	11.13	4.38
4.90	5.25	55.79	61.25	6.98	6.25	10.93	4.85
3.05	4.20	63.53	56.25	2.83	7.40	9.98	2.68
2.98	4.20	64.99	56.25	2.53	7.40	10.80	2.26
2.78	4.20	63.25	56.25	2.28	7.40	11.70	1.99
4.05	4.20	62.37	56.25	2.78	7.40	10.88	2.61
3.22	4.20	63.53	56.25	2.61	7.40	10.84	2.38
3.56	4.50	59.99	56.80	4.25	7.40	10.85	3.29
4.20	4.50	58.56	56.80	4.95	7.40	9.79	3.88
3.88	4.50	59.27	56.80	4.60	7.40	10.32	3.59
4.18	3.90	56.89	60.30	6.93	4.15	11.05	4.89
4.78	5.20	61.23	60.20	3.94	4.50	11.70	3.48
2.76	2.63	55.71	53.97	17.47	15.45	9.70	4.09
3.24	2.63	63.71	53.97	10.86	15.45	9.73	4.02
2.28	2.63	50.60	53.97	22.25	15.45	10.38	4.55
2.76	2.63	56.68	53.97	16.86	15.45	6.94	4.22

## WHEAT

Name of Manufacturer or Jobber and Brand	Number of Samples Compositd	Station Number	Protein	
			% Found	% Guaranteed
Cunningham Com. Co., Little Rock, Ark. Mixed Mill Feed.	8	1111	13.88	13.08
	16	983	14.50	13.08
	12	1185	14.08	13.08
	14	1275	13.50	13.08
	9	1336	15.31	13.08
	3	1455	13.71	13.08
	7	1568	15.56	13.08
	2	1707	15.46	13.08
	2	1854	14.31	13.08
	5	1887	13.69	13.08
Average .....	78		14.40	13.08
Lev. Fowler, Shreveport, La. Mixed Bran.	4	999	14.25	10.97
Higginsville Milling Co., Higginsville, Mo. Shipstuff or Shorts.	3	1402	12.13	18.30
	2	1933	16.50	18.30
	1	2058	16.38	18.30
Average .....	6		15.00	18.30
Illinois Central Elevators, New Orleans, La. Elevator Screenings.	1	882	9.94	2.00
Kelly-Lysle Milling Co., Leavenworth, Kan. Pure Wheat Shorts.	3	2143	17.00	14.09
Henry A. Klyce & Co., Dyersburg, Tenn. Furfer Spica.	2	670	10.91	10.27
The Rea-Patterson Milling Co., Coffeyville, Kan. Mixed Feed.	4	713	9.38	14.30
Sauers Milling Co., Evansville, Ind. Wheat Shipstuff.	1	1071	16.63	14.96
	1	1378	16.00	14.96
	1	1992	15.63	14.96
Average .....	3		16.09	14.96

## PRODUCTS.

Fat		Carbohydrates		Fiber		Water	Ash
% Found	% Guar- anteed	% Found	% Guar- anteed	% Found	% Guar- anteed	% Found	% Found
5.27	4.05	51.96	52.00	12.24	11.00	8.76	7.89
4.81	4.05	52.45	52.00	10.75	11.00	10.40	7.09
5.07	4.05	51.59	52.00	12.06	11.00	9.44	7.76
5.02	4.05	52.55	52.00	11.65	11.00	9.91	7.37
4.92	4.05	55.42	52.00	7.92	11.00	11.06	5.37
4.66	4.05	50.31	52.00	11.92	11.00	11.81	7.59
5.19	4.05	59.04	52.00	5.98	11.00	9.48	4.75
4.58	4.05	54.56	52.00	9.10	11.00	10.40	5.90
4.46	4.05	56.53	52.00	10.12	11.00	7.75	6.83
3.40	4.05	54.66	52.00	9.23	11.00	11.15	7.87
4.74	4.05	53.91	52.00	10.10	11.00	10.01	6.84
7.09	5.72	51.00	48.41	11.00	16.86	9.51	7.15
5.68	4.87	60.36	59.68	5.91	4.50	11.63	4.29
4.50	4.87	58.95	59.68	5.75	4.50	10.00	4.30
3.73	4.87	60.12	59.68	4.92	4.50	11.22	3.63
4.64	4.87	59.81	59.68	5.53	4.50	10.95	4.07
2.28	2.00	63.25	50.00	7.50	30.00	11.44	5.59
4.69	4.50	58.55	56.08	5.35	7.04	10.45	3.96
2.84	2.35	57.02	50.86	14.16	20.62	10.66	4.41
4.36	3.50	59.86	57.33	11.87	7.90	10.68	3.85
5.19	4.20	59.13	60.10	5.09	4.92	9.91	4.05
5.18	4.20	59.67	60.10	5.05	4.92	9.93	4.17
4.30	4.20	58.29	60.10	6.31	4.92	11.15	4.32
4.89	4.20	59.03	60.10	5.48	4.92	10.33	4.18



## WHEAT

Name of Manufacturer Brand	Jobber and	Number of Samples Composited	Station Number	Protein	
				% Found	% Guar- anteed.
A. Waller & Co., Henderson, Ky. Blue Grass Mixed Feed.		1	1067	10.75	11.50
		1	1485	10.75	11.50
	Average .....	2		10.75	11.50
Washington Flour Mill Co., Washington, Mo. Shipstuff or Shorts.		1	1066	16.94	16.95
Yates & Donelson Co., Memphis, Tenn. Mixed Bran.		11	680	14.25	13.25
		4	885	13.19	13.25
		9	1147	14.00	13.25
		3	1328	14.44	13.25
	Average .....	27		13.97	13.25

## MOLASSES

Alfalfa Product Co., Fremont, Neb. Alfalfa Lass. Alfalfa and Molasses.		1	795	15.25	14.00
		1	1476	11.69	14.00
	Average .....	2		13.47	14.00
American Milling Co., Owensboro, Ky. Sucrene Dairy Feed.		5	667	16.56	16.50
		4	778	18.28	16.50
		4	964	15.13	16.50
		2	1277	19.09	16.50
		4	1473	17.06	16.50
		3	1907	16.63	16.50
		3	1643	18.25	16.50
		1	2044	17.25	16.50
		2	2138	17.69	16.50
	Average .....	28		17.31	16.50
Sucrene Horse Feed.		3	671	14.66	13.50
Sucrene Horse, Mule and Ox Feed.		6	959	10.75	10.00
		3	1451	12.25	10.00
		3	1600	13.06	10.00
		3	1900	12.50	10.00
		3	2024	12.86	10.00
		2	2118	12.06	10.00
Average .....		20		12.25	10.00

## PRODUCTS.

Fat		Carbohydrates		Fiber		Water	Ash
% Found	% Guar- anteed	% Found	% Guar- anteed	% Found	% Guar- anteed	% Found	% Found
2.77	3.19	55.53	55.00	17.65	15.64	9.72	3.58
2.70	3.19	54.71	55.00	17.01	15.64	11.02	3.81
2.74	3.19	55.12	55.00	17.33	15.64	10.37	3.69
4.50	5.48	61.69	58.14	3.46	3.97	10.41	3.00
4.75	3.70	57.90	57.15	8.05	10.00	10.58	4.47
4.31	3.70	58.57	57.15	7.72	10.00	11.75	4.46
4.87	3.70	59.23	57.15	7.36	10.00	10.36	4.18
4.42	3.70	58.61	57.15	7.86	10.00	10.16	4.51
4.59	3.70	58.58	57.15	7.75	10.00	10.71	4.40

## FEEDS.

1.16	2.00	42.82	44.00	20.86	20.00	11.21	8.70
0.54	2.00	43.33	44.00	19.23	20.00	16.41	*8.80
0.85	2.00	43.08	44.00	20.04	20.00	13.81	8.71
3.76	3.50	47.53	48.27	10.26	12.40	13.21	8.68
5.20	3.50	42.46	48.27	11.05	12.40	15.34	7.67
4.71	3.50	46.07	48.27	12.50	12.40	13.41	8.18
7.02	3.50	44.96	48.27	11.68	12.40	8.69	8.56
4.52	3.50	46.31	48.27	11.61	12.40	12.64	7.86
5.25	3.50	46.03	48.27	11.95	12.40	13.28	6.86
5.36	3.50	47.66	48.27	12.02	12.40	9.37	7.34
5.51	3.50	45.27	48.27	11.47	12.40	13.39	7.11
7.10	3.50	44.30	48.27	11.66	12.40	12.04	7.21
5.38	3.50	45.62	48.27	11.63	12.40	12.37	7.69
2.82	3.50	51.08	56.50	10.19	11.50	13.39	7.86
4.06	3.00	52.04	52.45	10.97	13.50	14.43	7.75
4.75	3.00	51.19	52.45	10.59	13.50	14.21	7.01
4.06	3.00	52.48	52.45	11.14	13.50	12.12	7.14
5.15	3.00	52.41	52.45	11.15	13.50	12.03	6.76
3.59	3.00	53.22	52.45	10.61	13.50	13.00	6.72
3.77	3.00	53.68	52.45	9.40	13.50	14.85	6.24
4.23	3.00	52.50	52.45	10.64	13.50	13.44	6.94

\*This sample was in the laboratory a long time before being analyzed

## MOLASSES

Name of Manufacturer or Jobber and Brand	Number of Samples Compositd	Station Number	Protein	
			% Found	% Guaranteed
Atlas Feed Products & Milling Co., New Orleans, La. Royal Feed. Ox Feed.	1	776	8.36	8.00
	4	1794	9.68	8.00
	1	1986	11.47	8.00
	5	673	10.58	8.00
Average .....	1		7.34	5.00
	4	705	8.75	5.00
	3	878	10.09	5.00
	4	1179	6.13	5.00
Sugar Feed.	2	1299	8.94	5.00
	5	1513	8.06	5.00
	10	1623	10.75	5.00
	5	1792	8.18	5.00
	5	1882	8.44	5.00
	2	2051	9.00	5.00
	1	2150	10.44	5.00
	42		8.74	5.00
Union Dairy.	1	1728	7.50	15.00
	1	1965	16.29	15.00
	1	2061	17.31	15.00
Average .....	3		13.70	15.00
Lawrence & Hamilton, New Orleans, La. Stafolife Feed.	7	1146	10.84	11.50
	5	1257	10.06	11.50
	8	1339	10.63	11.50
	19	1433	10.50	11.50
	6	1515	11.44	11.50
	5	1666	11.19	11.50
	10	1768	10.68	11.50
	15	1874	12.56	11.50
	5	2000	13.00	11.50
	8	2104	10.75	11.50
	88		11.17	11.50
Average .....				

## FEEDS.

Fat		Carbohydrates		Fiber		Water	Ash
% Found	% Guar- anteed	% Found	% Guar- anteed	% Found	% Guar- anteed	% Found	% Found
3.92	1.00	53.67	48.00	8.95	10.00	17.15	7.95
2.60	1.00	55.13	48.00	12.99	10.0	11.92	7.68
4.24	1.00	53.82	48.00	11.15	10.00	13.08	6.24
3.42	1.00	54.47	48.00	12.07	10.00	12.50	6.96
1.07	0.50	54.59	50.00	11.12	10.00	15.42	10.46
2.28	0.50	52.40	50.00	12.64	10.00	14.86	9.07
3.75	0.50	48.85	50.00	13.69	10.00	15.30	8.32
1.26	0.50	56.53	50.00	13.61	10.00	13.10	9.37
4.13	0.50	56.60	50.00	11.69	10.00	10.80	7.84
2.02	0.50	54.04	50.00	12.72	10.00	14.84	8.32
3.34	0.50	54.64	50.00	12.91	10.00	10.03	8.33
3.12	0.50	51.57	50.00	15.34	10.00	12.21	9.58
1.75	0.50	53.57	50.00	14.53	10.00	13.45	8.26
2.12	0.50	52.09	50.00	15.07	10.00	13.88	7.85
1.99	0.50	48.04	50.00	17.56	10.00	13.37	8.60
2.44	0.50	52.99	50.00	13.71	10.00	13.39	8.73
8.10	3.50	51.77	45.00	12.12	12.00	11.11	9.40
5.28	3.50	42.97	45.00	12.60	12.00	8.98	13.88
4.62	3.50	41.82	45.00	13.19	12.00	10.20	12.86
6.00	3.50	45.52	45.00	12.64	12.00	10.09	12.05
6.56	6.50	50.66	56.00	11.73	10.50	10.63	9.58
6.08	6.50	52.78	56.00	12.47	10.50	9.56	9.05
6.72	6.50	51.29	56.00	11.19	10.50	11.55	8.62
5.94	6.50	52.34	56.00	11.06	10.50	11.95	8.21
5.97	6.50	51.46	56.00	11.53	10.50	11.51	8.09
5.06	6.50	56.85	56.00	9.22	10.50	10.54	7.14
5.59	6.50	54.07	56.00	11.56	10.50	9.20	8.90
6.58	6.50	51.36	56.00	9.08	10.50	12.65	7.77
5.48	6.50	52.45	56.00	9.90	10.50	11.30	7.87
4.10	6.50	52.17	56.00	12.43	10.50	12.01	8.54
5.81	6.50	52.54	56.00	1.01	10.50	11.09	8.38

## MOLASSES

Name of Manufacturer or Jobber and Brand.	Number of Samples Compositd	Station Number	Protein	
			% Found	% Guaranteed
Lawrence Feed Co., Crowley, La. Nutriline.	15	654	10.75	12.37
Nutriline Feed & Oil Co., Crowley, La.	6	683	16.81	17.00
Nutriline Dairy Feed.	11	917	15.50	17.00
Corn, Rice Bran, Rice Polish, Cotton	8	1030	16.38	17.00
Seed Meal and Molasses.	6	1233	14.56	17.00
	2	1520	22.31	17.00
	3	1641	21.88	17.00
	2	1825	20.75	17.00
Average. ....	38		18.31	17.00
Momylk Horse Feed.	1	1586	14.31	13.75
Nutriline Stock Feed.	26	687	13.69	12.00
Corn, Rice Bran, Rice Polish, Cotton	27	922	13.38	12.00
Seed Meal and Molasses.	22	1035	13.81	12.00
	14	1236	13.31	12.00
	15	1348	14.63	12.00
	22	1435	14.31	12.00
	16	1500	15.81	12.00
	24	1562	14.81	12.00
	3	1676	14.44	12.00
	8	1767	15.43	12.00
	4	1897	16.50	12.00
	9	2007	11.63	12.00
	6	2109	14.93	12.00
Average ....	196		14.37	12.00

## CORN

Atchison Live Stock Co., Atchison, Kan.	25	682	9.88	5.50
Corn Chops.	11	871	9.25	5.50
	4	1122	8.50	5.50
	1	2037	10.25	5.50
	2	2136	9.31	5.50
Average ....	43		9.44	5.50
Blair Milling Co., Atchison, Kan.	2	886	9.69	10.50
Blair's Corn Chops.	3	1287	9.75	10.50
Average ....	5		9.72	10.50



## FEEDS.

Fat		Carbohydrates		Fiber		Water	Ash
% Found	% Guar- anteed	% Found	% Guar- anteed	% Found	% Guar- anteed	% Found	% Found
3.12	2.11	61.31	60.57	6.60	8.95	10.54	7.68
3.79	3.60	54.58	48.00	6.82	13.00	10.21	7.79
5.97	3.60	50.01	48.00	9.69	13.00	10.92	7.91
6.94	3.60	51.45	48.00	8.86	13.00	8.03	8.34
6.65	3.60	53.86	48.00	7.58	13.00	10.20	7.15
7.50	3.60	43.19	48.00	9.09	13.00	10.77	7.14
8.22	3.60	46.46	48.00	8.09	13.00	8.38	6.97
7.30	3.60	46.11	48.00	7.99	13.00	9.52	8.33
6.63	3.60	49.38	48.00	8.30	13.00	9.72	7.66
4.80	3.00	56.55	55.03	8.14	9.57	10.43	5.77
4.33	2.00	58.18	58.00	6.41	10.00	10.21	7.18
5.21	2.00	55.90	58.00	8.45	10.00	10.00	7.06
5.41	2.00	56.61	58.00	7.09	10.00	9.34	7.74
5.61	2.00	58.70	58.00	6.06	10.00	10.08	6.24
6.82	2.00	55.56	58.00	6.55	10.00	10.33	6.11
7.24	2.00	54.60	58.00	5.90	10.00	11.85	6.20
6.70	2.00	54.22	58.00	6.38	10.00	10.78	6.11
6.14	2.00	56.47	58.00	5.80	10.00	11.03	5.75
6.46	2.00	56.67	58.00	6.02	10.00	10.27	6.14
8.08	2.00	55.23	58.00	7.01	10.00	9.47	4.78
6.48	2.00	54.00	58.00	7.93	10.00	9.18	5.91
4.86	2.00	64.08	58.00	6.10	10.00	10.40	2.93
6.60	2.00	54.40	58.00	6.92	10.00	10.79	6.36
6.15	2.00	56.51	58.00	6.66	10.00	10.28	6.03

## CHOPS.

4.07	3.00	71.85	39.00	1.90	19.50	10.95	1.35
3.97	3.00	72.00	39.00	1.96	19.50	11.49	1.33
3.69	3.00	72.40	39.00	1.97	19.50	12.17	1.27
5.33	3.00	69.83	39.00	2.87	19.50	10.19	1.53
4.01	3.00	73.30	39.00	1.96	19.50	10.15	1.27
4.21	3.00	71.88	39.00	2.13	19.50	10.99	1.35
4.14	5.00	71.03	69.06	1.95	3.01	11.94	1.25
4.31	5.00	72.92	69.06	2.06	3.01	9.56	1.40
4.23	5.00	71.96	69.06	2.01	3.01	10.75	1.33

## CORN

Name of Manufacturer or Jobber and Brand	Number of Samples Compositd	Station Number	Protein	
			% Found	% Guaranteed
E. C. Buchanan, Memphis, Tenn. Andes Corn Chops.	5	1672	9.25	9.25
	2	2048	8.94	9.25
	7		9.10	9.25
Average .....				
T. H. Bunch, Little Rock, Ark. Corn Chops.	4	2005	9.19	6.00
	21	697	9.31	6.00
	22	1632	9.06	6.00
	13	856	9.31	6.00
	48	923	8.69	6.00
	41	1037	9.13	6.00
	41	1150	8.88	6.00
	9	1267	8.69	6.00
	18	1346	9.13	6.00
	5	1527	8.69	6.00
	17	1783	9.00	6.00
	8	1901	9.19	6.00
	26	2211	9.19	6.00
	273		9.04	6.00
	3	876	9.31	9.88
Average .....	3	1130	9.46	9.88
	2	1674	9.22	9.88
Average .....	8		9.33	9.88
Burrus Mill and Elevator Co., Fort Worth, Texas. Burrus Corn Chops.	4	1224	10.06	8.53
	3	1511	9.25	8.53
	2	1812	10.06	8.53
Average .....	9		9.79	8.53
Caldwell Milling Co., Caldwell, Kan. Corn Chops.	1	1061	9.94	9.76
	1	1488	8.94	9.76
Average .....	2		9.44	9.76
Charleston Milling Co., Charleston, Mo. Corn Chops.	3	1592	9.06	12.00

## CHOPS.

Fat		Carbohydrates		Fiber		Water	Ash
% Found	% Guar- anteed.	% Found	% Guar- anteed	% Found	% Guar- anteed	% Found	% Found
3.90	3.87	73.59	70.37	1.99	1.56	9.98	1.29
3.09	3.87	73.79	70.37	1.51	1.56	11.60	1.07
3.50	3.87	73.68	70.37	1.75	1.56	10.79	1.18
3.85	3.00	73.07	60.00	2.20	22.00	10.23	1.46
4.70	3.00	72.32	60.00	2.04	22.00	10.27	1.36
3.99	3.00	73.29	60.00	2.16	22.00	10.14	1.36
4.61	3.00	71.01	60.00	2.21	22.00	11.62	1.24
4.20	3.00	72.45	60.00	1.82	22.00	11.64	1.20
4.10	3.00	72.90	60.00	2.11	22.00	10.51	1.25
4.09	3.00	71.43	60.00	2.20	22.00	12.07	1.33
4.28	3.00	72.07	60.00	2.22	22.00	11.35	1.39
4.63	3.00	71.28	60.00	2.20	22.00	11.37	1.39
3.64	3.00	72.72	60.00	2.23	22.00	11.54	1.18
3.69	3.00	73.39	60.00	2.33	22.00	10.24	1.35
3.70	3.00	73.57	60.00	2.28	22.00	9.98	1.28
3.64	3.00	72.42	60.00	2.26	22.00	11.18	1.31
4.09	3.00	72.45	60.00	2.17	22.00	10.94	1.31
3.92	4.17	71.55	71.95	2.05	2.00	11.92	1.25
3.88	4.17	71.65	71.95	2.38	2.00	11.12	1.51
4.05	4.17	72.33	71.95	2.05	2.00	11.05	1.30
3.95	4.17	71.85	71.95	2.16	2.00	11.36	1.35
4.14	5.00	71.35	70.82	2.20	2.39	10.91	1.34
4.29	5.00	70.76	70.82	2.61	2.39	11.69	1.40
3.52	5.00	71.97	70.82	2.83	2.39	10.32	1.30
3.98	5.00	71.36	70.82	2.55	2.39	10.97	1.35
4.57	6.08	69.47	67.52	2.96	2.17	11.56	1.50
3.80	6.08	72.87	67.52	2.36	2.17	10.55	1.48
4.19	6.08	71.16	67.52	2.66	2.17	11.06	1.49
3.57	3.65	74.79	64.34	2.09	2.87	9.13	1.36

## CORN

Name of Manufacturer or Jobber and Brand	Number of Samples Compositd	Station Number	Protein	
			% Found	% Guaranteed
Cooley Milling Co., Siloam Springs, Ark. Corn Chops.	1	1083	8.81	9.00
	3	1288	9.50	9.00
	1	1590	9.44	9.00
	2	1847	9.44	9.00
	1	1930	8.94	9.00
	8		9.23	9.00
Crescent Cereal Co., Kansas City, Kan. Cracked Corn. Corn Chops and Cracked Corn.	1	796	13.47	8.62
	2	902	10.88	8.65
Cunningham Commission Co., Little Rock, Ark. Corn Chops.	17	696	9.25	9.00
	9	855	9.75	9.00
	20	918	9.44	9.00
	12	1038	9.25	9.00
	18	1142	8.88	9.00
	15	1273	9.28	9.00
	15	1345	9.19	9.00
	13	1427	9.00	9.00
	3	1545	9.00	9.00
	30	1630	9.31	9.00
	20	1782	9.06	9.00
	7	1902	9.25	9.00
	2	2046	9.30	9.00
	10	2105	9.75	9.00
	191		9.27	9.00
The Davis Milling Co., St. Joseph, Mo. Pure Corn Chops.	1	1722	8.53	8.00
	4	1903	9.19	8.00
	1	2079	9.50	8.00
	2	2137	9.06	8.00
	8		9.08	8.00
Elliott & Meyers, Superior, Neb. Corn Chops.	4	1638	9.78	8.00
	4	1788	9.87	8.00
	8		9.83	8.00
Fowler Commission Co., Rosedale, Kan. Corn Chops.	2	1416	9.06	9.94
	1	1947	9.38	9.94
	2	2047	8.94	9.94
	5		9.13	9.94

## CHOPS.

Fat		Carbohydrates		Fiber		Water	Ash
% Found	% Guar- anteed	% Found	% Guar- anteed	% Found	% Guar- anteed	% Found	% Found
3.82	3.00	72.71	53.00	1.95	6.00	11.41	1.30
4.56	3.00	72.01	53.00	2.12	6.00	10.47	1.34
3.72	3.00	72.64	53.00	2.04	6.00	10.78	1.38
3.21	3.00	74.06	53.00	2.05	6.00	9.89	1.35
3.85	3.00	72.79	53.00	1.83	6.00	11.45	1.14
3.83	3.00	72.84	53.00	2.00	6.00	10.80	1.30
3.73	3.18	69.39	72.42	2.24	3.07	10.13	1.04
4.45	3.18	70.18	72.43	2.12	3.07	11.08	1.29
4.65	4.50	72.25	69.00	2.13	3.00	10.40	1.32
4.52	4.50	71.90	69.00	2.04	3.00	10.48	1.31
4.17	4.50	72.23	69.00	2.26	3.00	10.62	1.28
4.04	4.50	72.39	69.00	2.63	3.00	10.22	1.47
3.88	4.50	72.50	69.00	2.10	3.00	11.29	1.35
3.75	4.50	71.88	69.00	2.40	3.00	11.10	1.59
4.80	4.50	70.87	69.00	2.22	3.00	11.43	1.49
4.08	4.50	71.47	69.00	2.42	3.00	11.65	1.38
4.11	4.50	71.70	69.00	2.29	3.00	11.56	1.34
3.98	4.50	72.62	69.00	2.30	3.00	10.45	1.34
3.96	4.50	73.65	69.00	2.12	3.00	9.83	1.38
3.95	4.50	72.98	69.00	2.30	3.00	10.23	1.29
3.65	4.50	72.20	69.00	2.08	3.00	11.57	1.25
4.03	4.50	71.15	69.00	1.93	3.00	11.86	1.28
4.11	4.50	72.17	69.00	2.24	3.00	10.91	1.36
3.74	3.25	74.06	70.00	1.88	1.80	10.64	1.15
4.13	3.25	73.07	70.00	2.35	1.80	9.95	1.31
3.30	3.25	73.76	70.00	1.87	1.80	10.31	1.20
3.56	3.25	72.62	70.00	2.18	1.80	11.27	1.31
3.69	3.25	73.38	70.00	2.07	1.80	10.54	1.24
4.50	3.00	72.57	55.00	2.25	5.00	9.65	1.25
4.09	3.00	72.76	55.00	2.00	5.00	9.85	1.43
4.30	3.00	72.67	55.00	2.13	5.00	9.75	1.34
3.80	4.67	71.07	71.55	2.02	2.19	12.63	1.42
3.48	4.67	72.66	71.55	2.05	2.19	11.08	1.35
4.26	4.67	72.91	71.55	2.02	2.19	10.65	1.22
3.85	4.67	72.21	71.55	2.03	2.19	11.45	1.33



## CORN

Name of Manufacturer or Jobber and Brand	Number of Samples Compositd	Station Number	Protein	
			% Found	% Guaranteed
B. F. Glover & Son Commission Co., New Orleans, La. N. B. Chops.	10	701	9.56	10.90
	12	235	9.44	10.90
	12	1235	9.25	10.90
	6	1333	9.25	10.90
	9	1449	9.25	10.90
	7	870	10.38	10.90
	11	1570	9.50	10.90
	6	1689	9.16	10.90
	5	1797	9.75	10.90
	12	1886	9.47	10.90
	9	2012	9.06	10.90
	5	2108	9.50	10.90
	Average .....	104	9.46	10.90
Green, Shoemaker & Co., Crowley, La. Corn Chops.	4	1526	9.25	8.44
	1	1762	9.00	8.44
	1	1967	9.50	8.44
	2	2049	9.38	8.44
	1	2153	9.56	8.44
	Average .....	9	9.34	8.44
Hamiter & Bushby, Shreveport, La. Corn Chops .	29	967	8.63	8.10
	23	1106	8.94	8.10
	16	1225	8.69	8.10
	29	1432	8.81	8.10
	8	1582	9.56	8.10
	4	1688	9.00	8.10
	83	1780	9.00	8.10
	35	1781	9.06	8.10
	52	1877	9.19	8.10
	49	2010	9.19	8.10
	25	2110	9.38	8.10
	Average .....	353	9.04	8.10
Hammond Planting & Manufacturing Co., Hammond, La. Pure Corn Chops.	4	711	9.88	7.05
	3	1055	8.31	7.05
	1	1591	9.38	7.05
	2	1935	9.63	7.05
	1	2038	9.44	7.05
	Average .....	11	9.33	7.05
Corn and Cob Chops.	1	1999	8.72	7.10
	1	2036	8.50	7.10
Average .....	2		8.61	7.10

## CHOPS.

Fat		Carbohydrates		Fiber		Water	Ash
% Found	% Guar- anteed	% Found	% Guar- anteed	% Found	% Guar- anteed	% Found	% Found
3.92	2.90	71.54	70.30	2.26	1.90	11.34	1.38
4.28	2.90	72.63	70.30	2.35	1.90	9.78	1.52
3.62	2.90	72.96	70.30	2.04	1.90	10.90	1.23
3.90	2.90	72.08	70.30	2.04	1.90	11.45	1.28
3.82	2.90	71.94	70.30	2.12	1.90	11.51	1.36
4.42	2.90	69.67	70.30	2.28	1.90	11.90	1.35
4.12	2.90	72.95	70.30	2.17	1.90	9.87	1.39
3.84	2.90	73.78	70.30	2.25	1.90	9.70	1.27
3.53	2.90	73.20	70.30	2.17	1.90	10.02	1.33
3.75	2.90	72.64	70.30	2.48	1.90	10.30	1.36
3.98	2.90	71.71	70.30	2.40	1.90	11.60	1.25
3.50	2.90	71.25	70.30	2.21	1.90	12.18	1.36
3.89	2.90	72.20	70.30	2.23	1.90	10.88	1.34
3.60	4.19	72.05	69.92	2.17	1.95	11.61	1.32
3.37	4.19	73.81	69.92	2.06	1.95	10.31	1.45
3.15	4.19	73.40	69.92	2.50	1.95	9.80	1.65
3.91	4.19	72.26	69.92	1.89	1.95	11.23	1.33
3.90	4.19	72.02	69.92	1.96	1.95	11.30	1.26
3.59	4.19	72.71	69.92	2.11	1.95	10.85	1.40
3.12	5.00	73.14	72.70	1.72	2.00	12.33	1.06
4.41	5.00	72.13	72.70	2.21	2.00	10.99	1.32
3.91	5.00	74.11	72.70	1.88	2.00	10.17	1.24
3.53	5.00	72.76	72.70	2.18	2.00	11.43	1.29
4.11	5.00	72.06	72.70	2.31	2.00	10.50	1.46
3.09	5.00	73.92	72.70	2.12	2.00	10.62	1.25
4.09	5.00	73.38	72.70	2.12	2.00	10.01	1.40
4.10	5.00	73.10	72.70	2.00	2.00	10.31	1.43
3.78	5.00	72.36	72.70	2.05	2.00	11.33	1.29
4.28	5.00	72.67	72.70	2.28	2.00	10.17	1.41
3.43	5.00	72.29	72.70	1.91	2.00	11.81	1.18
3.81	5.00	72.90	72.70	2.07	2.00	10.88	1.30
4.15	3.01	71.06	70.00	1.90	5.00	11.60	1.41
3.79	3.01	73.69	70.00	2.04	5.00	10.94	1.23
3.02	3.01	73.27	70.00	2.14	5.00	10.75	1.44
3.90	3.01	72.43	70.00	2.18	5.00	10.60	1.26
3.30	3.01	73.31	70.00	2.05	5.00	10.71	1.19
3.63	3.01	72.75	70.00	2.06	5.00	10.92	1.31
3.60	4.00	67.75	68.00	7.20	7.10	11.13	1.60
3.65	4.00	69.05	68.00	6.73	7.10	10.63	1.44
3.63	4.00	68.40	68.00	6.96	7.10	10.88	1.52

## CORN

Name of Manufacturer or Jobber and Brand	Number of Samples Compositd	Station Number	Protein	
			% Found	% Guaranteed
Higginsville Milling Co., Higginsville, Mo. Corn Chops.	1	1931	9.00	7.49
	1	2080	9.00	7.49
	1	2154	9.44	7.49
	3		9.15	7.49
Average .....				
Houk Grain Co., Beaumont, Tex. Corn Chops.	1	1735	9.75	9.01
Josey Grain Co., Texarkana, Texas. Yellow Rose Corn Chops.	5	1685	9.38	9.00
Josey Miller Co., Beaumont, Texas. Corn Chops.	2	1528	9.13	9.00
Kelley, Weber & Co., Lakes Charles, La. Corn Chops.	3	742	8.38	10.03
	10	916	8.94	10.03
	15	1112	9.19	10.03
	10	1183	9.13	10.03
	7	1290	9.44	10.03
	5	1332	8.88	10.03
	10	1434	8.69	10.03
	5	1504	9.06	10.03
	6	1567	9.13	10.03
	2	1711	9.01	10.03
	4	1790	9.06	10.03
	6	1893	9.50	10.03
	10	2013	9.80	10.03
	5	2096	9.38	10.03
Average .....	98		9.11	10.03
Kimball Fowler Co., Kansas City, Mo. Corn Chops.	2	1380	9.38	9.88
	3	1817	8.93	7.90
	2	1576	9.56	7.90
	2	1710	9.09	7.90
Average .....	7		9.19	7.90

## CHOPS.

Fat		Carbohydrates		Fiber		Water	Ash
% Found	% Guar- anteed	% Found	% Guar- anteed	% Found	% Guar- anteed	% Found	% Found
3.60	3.87	72.60	55.28	2.18	3.78	11.38	1.24
3.02	3.87	73.34	55.28	2.30	3.78	10.98	1.36
3.74	3.87	72.38	55.28	1.97	3.78	11.22	1.25
3.45	3.87	72.77	55.28	2.15	3.78	11.19	1.29
3.60	3.24	73.82	70.00	2.21	2.00	9.39	1.23
4.10	3.00	72.56	65.00	2.13	12.00	10.50	1.33
3.46	4.00	71.39	70.00	2.37	2.00	12.23	1.42
4.23	5.00	73.96	70.04	1.95	2.02	10.04	1.44
3.68	5.00	72.44	70.04	1.85	2.02	11.88	1.21
3.60	5.00	73.79	70.04	1.79	2.02	10.42	1.21
3.60	5.00	72.57	70.04	2.02	2.02	11.42	1.26
3.04	5.00	73.90	70.04	1.75	2.02	10.53	1.34
3.21	5.00	73.46	70.04	1.90	2.02	11.32	1.23
3.49	5.00	73.34	70.04	1.91	2.02	11.32	1.25
3.57	5.00	72.62	70.04	1.99	2.02	11.45	1.31
3.10	5.00	73.85	70.04	1.99	2.02	10.59	1.34
3.42	5.00	73.56	70.04	2.12	2.02	10.54	1.35
3.80	5.00	73.71	70.04	2.52	2.02	9.41	1.50
4.15	5.00	73.75	70.04	2.23	2.02	9.03	1.34
3.95	5.00	73.16	70.04	2.15	2.02	10.29	1.45
3.87	5.00	71.36	70.04	1.95	2.02	12.12	1.32
3.62	5.00	73.22	70.04	2.00	2.02	10.73	1.32
3.95	4.17	71.99	71.95	1.96	2.00	11.33	1.39
4.03	4.20	73.31	73.10	2.25	2.30	10.13	1.35
3.46	4.20	72.78	73.10	1.94	2.30	10.89	1.37
3.82	4.20	73.27	73.10	2.22	2.30	10.40	1.20
3.77	4.20	73.12	73.0	2.14	2.30	10.47	1.31

## CORN

Name of Manufacturer or Jobber and Brand	Number of Samples Compositd	Station Number	Protein	
			% Found	% Guaranteed
Henry A. Klyce Co., Dyersburg, Tenn. Corn Chops.	12	1099	9.00	15.01
	7	1258	8.44	15.01
	9	1501	7.94	15.01
	3	1355	8.13	15.01
	11	1581	8.69	15.01
	9	1687	8.88	15.01
	6	1799	10.06	15.01
Average .....	57		8.73	15.01
Lang & Marsh, Jennings, La. Corn Chops.	3	1637	9.69	10.00
Laning Harris Coal & Grain Co., Kansas City, Mo. Sunflower Pure Corn Chops.	12	966	9.13	8.62
	3	1189	8.88	8.62
	8	688	8.75	8.62
	1	1608	8.88	8.62
Average .....	24		8.91	8.62
H. T. Fowler Manufacturing & Produce Co., New Orleans, La. Cracked Corn.	2	1188	9.31	14.85
	1	1973	10.78	14.85
Average .....	3		10.05	14.85
Lev Fowler, Kansas City, Mo. Corn Chops.	6	745	8.88	7.80
	27	920	8.44	7.80
	30	1027	9.31	7.80
	6	1144	8.88	7.80
	22	1250	8.81	7.80
	7	1340	8.63	7.80
	14	1438	8.19	7.80
	4	1495	9.31	7.80
	12	1564	9.25	7.80
	7	1681	9.50	7.80
	16	1779	9.00	7.80
	18	1878	9.13	7.80
	28	2009	9.38	7.80
	8	2103	9.19	7.80
Average .....	205		8.99	7.80



## CHOPS.

Fat		Carbohydrates		Fiber		Water	Ash
% Found	% Guar- anteed	% Found	% Guar- anteed	% Found	% Guar- anteed	% Found	% Found
3.88	4.09	70.26	61.84	3.74	5.10	11.76	1.36
3.12	4.09	71.59	61.84	4.43	5.10	11.13	1.29
3.12	4.09	73.04	61.84	3.90	5.10	10.77	1.23
2.78	4.09	72.67	61.84	3.43	5.10	11.48	1.51
3.47	4.09	72.11	61.84	3.75	5.10	10.79	1.19
2.90	4.09	72.92	61.84	3.99	5.10	10.05	1.26
3.34	4.09	70.22	61.84	5.04	5.10	10.01	1.33
3.23	4.09	71.83	61.84	4.04	5.10	10.86	1.31
3.68	5.00	72.18	70.00	2.08	2.02	10.96	1.41
4.09	3.18	71.46	72.42	2.07	2.07	11.96	1.29
3.32	3.18	73.36	72.42	2.01	2.07	10.98	1.45
4.54	3.18	72.57	72.42	1.99	2.07	10.75	1.40
3.47	3.18	74.94	72.42	1.66	2.07	9.92	1.13
3.86	3.18	73.08	72.42	1.93	2.07	10.90	1.32
5.03	3.58	71.35	54.00	2.16	10.00	10.60	1.55
3.38	3.58	72.24	54.00	1.78	10.00	10.43	1.39
4.20	3.58	71.80	54.00	1.97	10.00	10.51	1.47
3.95	4.20	72.72	72.32	1.80	3.10	11.31	1.34
3.93	4.20	72.88	72.32	2.12	3.10	11.39	1.24
3.75	4.20	73.07	72.32	1.95	3.10	10.64	1.28
4.67	4.20	72.77	72.32	2.12	3.10	10.14	1.42
3.91	4.20	73.80	72.32	1.71	3.10	10.48	1.29
4.21	4.20	73.36	72.32	1.96	3.10	10.54	1.30
3.85	4.20	72.61	72.32	2.04	3.10	11.93	1.38
3.62	4.20	73.10	72.32	1.97	3.10	10.68	1.32
3.40	4.20	73.02	72.32	1.94	3.10	11.17	1.22
3.68	4.20	73.38	72.32	2.11	3.10	9.95	1.38
4.67	4.20	72.48	72.32	2.19	3.10	10.23	1.43
3.73	4.20	72.69	72.32	2.05	3.10	11.12	1.28
4.68	4.20	71.83	72.32	2.13	3.10	10.55	1.43
3.72	4.20	71.61	72.32	1.95	3.10	12.37	1.16
3.99	4.20	72.81	72.32	2.00	3.10	10.89	1.32

## CORN

Name of Manufacturer or Jobber and Brand	Number of Samples Compositd	Station Number	Protein	
			% Found	% Guaranteed
Louisiana Grain and Milling Co., Lako Charles, La. Corn Chops.	9	689	9.44	8.75
	22	919	8.38	8.75
	10	1033	8.63	8.75
	3	1034	8.81	8.75
	15	1115	8.81	8.75
	12	1269	9.38	8.75
	4	1364	9.06	8.75
	3	1448	9.06	8.75
	10	1556	9.00	8.75
	2	1701	9.15	8.75
	9	1777	8.50	8.75
	3	1915	9.00	8.75
	6	2014	8.94	8.75
	2	2135	9.83	8.75
	110		9.00	8.75
Lukens Milling Co., Atchison, Kan. Corn Chops.	2	1483	8.81	7.50
	1	1723	8.93	7.50
	3		8.87	7.50
R. W. Lyon, Gueydan, La. Corn Chops.	1	1056	8.94	8.00
Marshall & Michel, Kansas City, Mo. Corn Chops.	1	1675	8.88	8.00
	1	2155	10.56	8.00
	2		9.72	8.00
Missouri & Kansas Grain Co., Neosho, Mo. Corn Chops.	3	735	9.44	10.00
	8	984	9.06	10.00
	9	1164	8.78	10.00
	10	1428	8.56	10.00
	18	1510	8.81	10.00
	7	1565	8.94	10.00
	1	1721	8.96	10.00
	3	1818	8.62	10.00
	10	2026	8.88	10.00
	69		8.89	10.00

## CHOPS.

Fat		Carbohydrates		Fiber		Water	Ash
% Found	% Guar- anteed	% Found	% Guar- anteed	% Found	% Guar- anteed.	% Found	% Found
4.50	3.25	71.71	75.25	1.90	1.50	11.10	1.35
3.64	3.25	73.99	75.25	1.95	1.50	10.88	1.16
3.61	3.25	73.90	75.25	1.93	1.50	10.52	1.41
3.41	3.25	73.93	75.25	2.15	1.50	10.95	1.29
3.54	3.25	72.12	75.25	1.87	1.50	12.37	1.29
3.23	3.25	73.43	75.25	1.68	1.50	11.04	1.24
4.07	3.25	71.83	75.25	2.08	1.50	11.61	1.35
3.68	3.25	71.01	75.25	1.90	1.50	13.02	1.33
3.37	3.25	73.60	75.25	1.82	1.50	10.93	1.28
3.50	3.25	73.75	75.25	2.16	1.50	10.19	1.25
3.58	3.25	74.93	75.25	2.07	1.50	9.59	1.33
3.13	3.25	73.09	75.25	1.72	1.50	11.60	1.43
3.50	3.25	73.79	75.25	1.95	1.50	10.49	1.33
4.42	3.25	71.00	75.25	2.19	1.50	11.23	1.23
3.65	3.25	73.00	75.25	1.95	1.50	11.10	1.30
3.72	3.00	72.32	65.00	2.24	5.00	11.61	1.30
4.07	3.00	72.83	65.00	2.37	5.00	10.50	1.30
3.90	3.00	72.58	65.00	2.30	5.00	11.05	1.30
4.07	3.50	73.57	69.00	1.93	4.00	10.26	1.23
3.00	3.00	74.65	65.00	2.09	10.00	10.20	1.19
3.45	3.00	71.40	65.00	2.26	10.00	20.78	1.55
3.22	3.00	73.03	65.00	2.17	10.00	10.49	1.37
4.80	3.50	70.82	53.00	2.41	10.00	11.20	1.33
4.03	3.50	71.81	53.00	2.00	10.00	11.91	1.19
3.50	3.50	73.10	53.00	1.69	10.00	11.75	1.18
3.70	3.50	72.41	53.00	1.99	10.00	12.20	1.14
3.70	3.50	73.59	53.00	1.92	10.00	10.84	1.14
3.87	3.50	73.17	53.00	1.95	10.00	10.88	1.19
3.99	3.50	72.86	53.00	2.01	10.00	10.85	1.33
3.47	3.50	74.12	53.00	2.09	10.00	10.35	1.35
3.55	3.50	72.39	53.00	1.99	10.00	11.92	1.27
3.84	3.50	72.70	53.00	2.01	10.00	11.32	1.24

## CORN

Name of Manufacturer or Jobber and Brand	Number of Samples Compositd	Station Number	Protein	
			% Found	% Guaranteed
McEwen Grain Co., Kansas City, Mo. Corn Chops.	3	982	9.94	13.00
	3	1245	8.94	13.00
	2	1709	9.53	13.00
	3	1913	9.50	13.00
Average .....	11		9.48	13.00
Nelson Grain Co., Kansas City, Mo. Pure Corn Chops.	17	695	8.88	8.01
	33	921	8.81	8.01
	34	1114	9.44	8.01
	22	1186	8.94	8.01
	15	1268	8.38	8.01
	12	1337	8.94	8.01
	12	1538	8.81	8.01
	16	1631	9.72	8.01
	7	1800	9.06	8.01
	1	1998	8.94	8.01
	8	2011	9.63	8.01
	31	2112	9.56	8.01
Average .....	208		9.09	8.01
Diamond Corn Chops.	1	1013	9.31	8.50
Newport Grocer Co., Newport, Ark. Corn Chops.	3	865	10.25	9.00
Oswego Milling Co., Oswego, Kan. Corn Chops.	1	2073	9.50	12.12
	1	2152	10.06	12.12
Average .....	2		9.78	12.12
Pearl Roller Mills, Oswego, Kan. Corn Chops.	2	1852	9.25	8.00
Pittsburg M. M. Co., Pittsburg, Kan. Corn Chops.	3	750	9.06	8.48
	7	954	9.50	8.48
	1	1949	8.88	8.48
Average .....	11		9.15	8.48

## CHOPS.

Fat		Carbohydrates		Fiber		Water	Ash
% Found	% Guar- anteed	% Found	% Guar- anteed	% Found	% Guar- anteed	% Found	% Found
3.96	4.04	71.25	69.26	2.12	2.80	11.47	1.26
4.14	4.04	72.96	69.26	1.97	2.80	10.69	1.30
3.77	4.04	73.19	69.26	2.20	2.80	9.96	1.35
3.88	4.04	71.60	69.26	2.43	2.80	11.30	1.29
3.94	4.04	72.25	69.26	2.18	2.80	10.85	1.30
3.98	5.00	72.75	72.07	1.96	2.00	11.12	1.31
3.55	5.00	72.53	72.07	1.90	2.00	12.00	1.21
4.40	5.00	72.31	72.07	2.03	2.00	10.48	1.34
3.62	5.00	73.05	72.07	2.02	2.00	11.09	1.28
3.95	5.00	72.95	72.07	2.00	2.00	11.36	1.36
3.78	5.00	72.05	72.07	2.28	2.00	11.65	1.30
3.83	5.00	72.12	72.07	2.03	2.00	11.89	1.32
3.93	5.00	73.02	72.07	1.96	2.00	10.03	1.34
3.49	5.00	73.79	72.07	2.12	2.00	10.16	1.38
4.33	5.00	72.80	72.07	2.50	2.00	10.20	1.23
5.13	5.00	71.60	72.07	2.68	2.00	9.50	1.46
3.55	5.00	72.26	72.07	2.11	2.00	11.36	1.16
3.96	5.00	72.60	72.07	2.13	2.00	10.91	1.31
4.12	4.50	71.79	71.09	1.99	4.20	11.40	1.39
4.82	4.50	69.51	69.00	2.37	2.00	11.72	1.33
4.64	3.77	70.71	66.29	2.58	2.17	11.24	1.33
5.39	3.77	69.06	66.29	2.69	2.17	11.21	1.59
5.02	3.77	69.89	66.29	2.63	2.17	11.22	1.46
4.51	3.25	72.18	72.98	2.52	1.62	10.29	1.25
4.12	4.89	71.99	69.71	1.88	2.43	11.83	1.12
4.20	4.89	70.71	69.71	2.15	2.43	12.10	1.34
3.35	4.89	73.36	69.71	2.03	2.43	11.13	1.25
3.89	4.89	72.02	69.71	2.02	2.43	11.69	1.23



## CORN

Name of Manufacturer of Jobber and Brand	Number of Samples Compositd	Station Number	Protein	
			% Found	% Guaranteed.
Russell Grain Co., Kansas City, Mo. Square Deal Pure Corn Chops.	1	1414	8.53	8.02
	1	2043	8.63	8.02
	Average .....	2	8.58	8.02
Scott County Milling Co., Sikestown and Oran, Mo. Corn Chops.	10	1555	9.56	8.70
	2	1703	8.96	8.70
	6	1798	9.03	8.70
	Average .....	18	9.19	8.70
Scott County Milling Co., Sikeston, Mo. Corn Chops.	5	1639	9.81	9.88
Seneca Mill & Elevator Co., Seneca, Mo. Corn Chops.	4	774	8.25	8.75
	7	952	9.38	8.75
	7	1249	9.06	8.75
	3	1470	8.81	8.75
	7	1657	9.13	8.75
	4	1787	9.31	8.75
	2	2119	9.44	8.75
	Average .....	34	9.06	8.75
Southern Grain Co., Kansas City, Mo. Corn Chops.	4	943	9.81	9.04
	3	1177	8.91	9.04
	1	1531	8.31	9.04
	3	1682	9.31	9.04
	2	1850	9.31	9.04
	2	1938	9.31	9.04
	1	2039	10.35	9.04
	Average .....	16	9.33	9.04
Stark Grain Co., Plano, Texas, and Texarkana, Ark. Horse Shoe Corn Chops.	4	1132	9.09	7.10
	1	1479	8.19	7.10
	Average .....	5	8.64	7.10

## CHOPS.

Fat		Carbohydrates		Fiber		Water	Ash
% Found	% Guar- anteed	% Found	% Guar- anteed	% Found	% Guar- anteed	% Found	% Found
4.23	4.03	72.79	73.07	2.00	2.00	11.12	1.33
3.55	4.03	73.13	73.07	2.17	2.00	11.27	1.25
3.89	4.03	72.96	73.07	2.09	2.00	11.19	1.29
4.16	4.55	71.74	73.12	2.14	1.83	11.04	1.36
4.05	4.55	72.95	73.12	2.18	1.83	10.43	1.43
3.49	4.55	74.44	73.12	1.92	1.83	9.79	1.33
3.90	4.55	73.04	73.12	2.08	1.83	10.42	1.37
4.07	4.17	72.89	71.95	2.04	2.00	9.77	1.42
4.05	5.02	71.49	70.63	1.95	1.95	13.13	1.13
4.26	5.02	71.48	70.63	1.91	1.95	11.56	1.41
4.30	5.02	72.28	70.63	2.13	1.95	10.82	1.41
3.60	5.02	72.70	70.63	1.76	1.95	11.92	1.21
4.02	5.02	73.79	70.63	2.19	1.95	9.60	1.27
3.68	5.02	74.30	70.63	2.04	1.95	9.42	1.25
4.03	5.02	72.39	70.63	2.05	1.95	10.91	1.18
3.99	5.02	72.63	70.63	2.00	1.95	11.05	1.27
1.00	3.06	71.17	72.03	2.11	2.03	11.65	1.26
3.44	3.06	72.83	72.63	1.94	2.03	11.55	1.33
2.76	3.06	74.02	72.03	1.59	2.03	12.23	1.09
3.96	3.06	73.22	72.03	2.38	2.03	9.79	1.34
3.58	3.06	75.29	72.03	1.95	2.03	8.52	1.35
3.40	3.06	72.99	72.03	2.13	2.03	10.98	1.19
5.60	3.06	68.90	72.03	3.14	2.03	10.46	1.55
3.82	3.06	72.63	72.03	2.18	2.03	10.74	1.30
4.56	5.00	70.99	65.00	2.28	14.00	11.73	1.35
3.50	5.00	73.55	65.00	1.86	14.00	11.62	1.28
4.03	5.00	72.27	65.00	2.07	14.00	11.67	1.32

## CORN

Name of Manufacturer or Jobber and Brand	Number of Samples Compositd	Station Number	Protein	
			% Found	% Guaranteed
Stanard Tilton Milling Co., Dallas, Tex. Corn Chops.	1	1539	9.19	12.85
	2	1914	9.63	12.85
	1	2074	10.13	12.85
	1	2151	10.38	12.85
	5		9.83	12.85
Texas Star Flour Mills, Galveston, Texas. Corn Chops.	1	1699	9.68	9.47
	2	1848	9.78	9.47
	1	2133	9.63	9.47
	4		9.70	9.47
Valley Milling Co., St. Louis, Mo. Cracked Corn and Corn Chops.	1	1602	8.69	11.00
The S. R. Washer Grain Co., Atchison, Kan. Washer Corn Chops.	6	710	8.94	8.00
	2	906	9.06	8.00
	13	960	8.69	8.00
	9	1149	9.25	8.00
	8	1291	9.44	8.00
	7	1331	8.88	8.00
	5	1421	8.63	8.00
	1	1763	9.37	8.00
	14	1778	9.00	8.00
	10	1889	9.44	8.00
	3	2021	9.13	8.00
	8	2107	9.63	8.00
	86		9.12	8.00
Webb & Maury, Memphis, Tenn. Corn Chops.	6	708	10.12	8.03
	20	866	9.94	8.03
	2	1093	8.94	8.03
	8	1163	9.19	8.03
	2	1301	9.31	8.03
	1	1720	8.81	8.03
	2	2045	9.00	8.03
	41		9.33	8.03
Yukon Mill & Grain Co., Yukon, Okla. Chops.	1	1415	8.88	11.07

## CHOPS.

Fat		Carbohydrates		Fiber		Water	Ash
% Found	% Guar- anteed	% Found	% Guar- anteed	% Found	% Guar- anteed	% Found	% Found
3.77	7.85	72.50	56.40	1.94	8.25	11.36	1.24
2.80	7.85	73.92	56.40	2.18	8.25	10.08	1.39
4.82	7.85	70.68	56.40	2.30	8.25	10.68	1.39
4.20	7.85	70.96	56.40	1.90	8.25	11.23	1.33
3.90	7.85	72.01	56.40	2.08	8.25	10.84	1.34
4.08	3.85	72.11	69.12	2.42	3.44	10.23	1.48
3.76	3.85	74.31	69.12	2.35	3.44	8.35	1.45
4.20	3.85	72.11	69.12	2.10	3.44	10.65	1.31
4.01	3.85	72.85	69.12	2.29	3.44	9.74	1.41
3.81	4.50	72.62	70.00	2.13	2.00	11.43	1.32
4.02	4.00	72.68	55.50	1.68	5.50	11.45	1.23
4.13	4.00	72.08	55.50	1.98	5.50	11.49	1.26
4.33	4.00	71.24	55.50	1.92	5.50	12.38	1.44
4.14	4.00	71.21	55.50	2.14	5.50	12.00	1.26
3.71	4.00	73.22	55.50	1.73	5.50	10.65	1.25
3.65	4.00	72.63	55.50	2.00	5.50	11.50	1.34
3.59	4.00	72.68	55.50	2.00	5.50	11.91	1.19
4.34	4.00	72.67	55.50	2.14	5.50	10.15	1.33
4.22	4.00	72.48	55.50	2.28	5.50	10.74	1.28
3.75	4.00	73.55	55.50	2.20	5.50	9.78	1.28
4.10	4.00	72.18	55.50	2.26	5.50	11.06	1.27
3.50	4.00	71.83	55.50	1.87	5.50	12.00	1.17
3.96	4.00	72.37	55.50	2.01	5.50	11.26	1.28
3.90	3.00	71.53	65.00	2.17	3.50	10.80	1.48
5.06	3.00	69.63	65.00	2.05	3.50	12.02	1.30
3.99	3.00	73.35	65.00	2.02	3.50	10.38	1.32
3.80	3.00	72.72	65.00	1.83	3.50	11.18	1.28
3.96	3.00	74.17	65.00	2.36	3.50	8.82	1.38
3.81	3.00	73.68	65.00	2.16	3.50	10.16	1.38
4.02	3.00	72.23	65.00	1.91	3.50	11.56	1.28
4.08	3.00	72.47	65.00	2.07	3.50	10.70	1.35
4.47	4.08	70.03	69.28	3.20	1.91	12.11	1.31

## CORN AND

Name of Manufacturer or Jobber and Brand	Number of Samples Composed	Station Number	Protein	
			% Found	% Guaranteed
American Cereal Co., Cedar Rapids, Iowa. Banner Feed.	8	1234	8.69	8.00
	16	1344	9.56	8.00
	4	1439	9.13	8.00
	13	1577	9.06	8.00
	7	1690	8.88	8.00
	16	1774	9.00	8.00
	7	1880	9.00	8.00
	4	2025	8.94	8.00
	2	2114	9.13	8.00
	77		9.04	8.00
Victor Corn and Oats.	2	668	7.59	7.50
	1	836	8.56	7.50
	2	1001	8.25	7.50
	6	1134	7.47	7.50
	8	1239	7.50	7.50
	4	1426	8.22	7.50
	6	1558	7.81	7.50
	2	1830	7.56	7.50
	2	1941	7.81	7.50
	1	2187	8.50	7.50
	34		7.93	7.50
Corno Mills Co., East St. Louis, Ill. Corno Creamo Dairy Feed. Corn, Oats, Gluten Feed and Alfalfa.	1	658	13.34	15.50
	3	780	13.16	15.50
	4	938	14.44	15.50
	6	1137	13.00	15.50
	4	1454	11.31	15.50
	2	1278	13.63	15.50
	5	1636	12.25	15.50
	3	1814	12.75	15.50
	1	1946	14.06	15.50
	29		13.10	15.50
Corno Horse and Mule Feed. Corn, Oats and Alfalfa.	5	777	9.15	10.50
	4	948	9.31	10.50
	21	1101	9.44	10.50
	13	1437	8.88	10.50
	8	1505	9.00	10.50
	16	1557	9.25	10.50
	3	643	10.78	10.50
	10	1304	8.78	10.50
	7	1795	9.37	10.50
	4	1896	10.06	10.50
Average .....	1	2068	10.94	10.50
	1	2188	10.19	10.50
	93		9.60	10.50



## OAT FEED.

Fat		Carbohydrates		Fiber		Water	Ash
%	%	%	%	%	%	%	%
Found	Guar- anteed	Found	Guar- anteed	Foun	Guar- anteed	Found	Found
3.37	3.50	65.11	65.00	9.43	10.00	10.25	3.15
3.31	3.50	64.37	65.00	9.29	10.00	10.38	3.19
3.23	3.50	63.80	65.00	8.58	10.00	11.99	3.27
3.64	3.50	62.50	65.00	10.90	10.00	10.31	3.59
3.23	3.50	65.35	65.00	10.24	10.00	9.15	3.15
2.95	3.50	65.99	65.00	9.93	10.00	8.75	3.38
2.90	3.50	64.61	65.00	10.18	10.00	10.40	2.91
2.93	3.50	63.75	65.00	11.00	10.00	10.17	3.21
3.06	3.50	64.38	65.00	9.73	10.00	10.62	3.08
3.18	3.50	64.42	65.00	9.92	10.00	10.23	3.21
3.22	3.00	65.16	62.00	9.90	12.00	10.92	3.21
3.22	3.00	60.70	62.00	11.78	12.00	12.01	3.73
3.24	3.00	64.45	62.00	10.56	12.00	10.26	3.24
3.18	3.00	62.07	62.00	12.34	12.00	11.23	3.71
3.12	3.00	62.71	62.00	12.94	12.00	10.08	3.65
3.27	3.00	60.71	62.00	12.24	12.00	11.78	3.78
3.09	3.00	62.30	62.00	12.30	12.00	10.87	3.63
3.12	3.00	66.26	62.00	10.19	12.00	9.74	3.13
3.00	3.00	63.86	62.00	11.80	12.00	10.38	3.15
3.12	3.00	64.47	62.00	11.05	12.00	9.65	3.21
3.16	3.00	63.27	62.00	11.51	12.00	10.69	3.44
3.63	5.10	47.57	50.00	19.53	17.50	9.59	6.34
4.00	5.10	49.19	50.00	18.18	17.50	10.90	4.57
3.84	5.10	49.27	50.00	17.09	17.50	9.36	6.00
3.35	5.10	50.67	50.00	18.08	17.50	9.79	5.09
2.88	5.10	49.17	50.00	19.42	17.50	10.85	6.37
3.14	5.10	48.63	50.00	20.45	17.50	7.97	6.13
2.97	5.10	51.65	50.00	18.99	17.50	8.53	5.61
2.92	5.10	51.88	50.00	18.45	17.50	8.77	5.23
2.13	5.10	43.24	50.00	24.25	17.50	10.30	6.02
3.21	5.10	49.04	50.00	19.38	17.50	9.56	5.71
3.77	5.60	61.13	58.50	10.01	11.10	12.67	3.27
3.31	5.60	55.71	58.50	15.13	11.10	11.31	5.23
3.85	5.60	59.76	58.50	12.06	11.10	10.80	4.09
2.69	5.60	55.88	58.50	15.70	11.10	11.39	5.46
3.23	5.60	60.55	58.50	13.32	11.10	9.52	4.38
3.21	5.60	58.73	58.50	13.62	11.10	10.68	4.51
2.56	5.60	56.20	58.50	13.16	11.10	12.03	5.27
3.09	5.60	62.94	58.50	12.49	11.10	8.73	3.97
2.45	5.60	58.18	58.50	15.63	11.10	9.39	4.98
2.90	5.60	58.46	58.50	14.65	11.10	9.00	4.93
3.74	5.60	58.85	58.50	11.70	11.10	11.03	3.74
3.07	5.60	58.97	58.50	12.02	11.10	11.56	4.25
3.15	5.60	58.78	58.50	13.29	11.10	10.68	4.50

## CORN AND

Name of Manufacturer or Jobber and Brand	Number of Samples Compositd	Station Number	Protein	
			% Found	% Guaranteed
Corno Mills Co., East St. Louis, Ill. (Continued.) Corno Horse and Mule Feed. Corn, Oats and Alfalfa.	1	1989	9.13	10.00
	1	1243	9.00	10.00
	12	1775	9.87	10.00
	Average .....	14	9.33	10.00
	1	661	7.13	7.62
	2	784	6.94	7.62
	2	1003	7.31	7.62
	6	1232	6.69	7.62
	2	1400	7.43	7.62
	3	1599	6.91	7.62
Diamond C. Corn and Oat Chops.	2	1831	7.75	7.62
	Average .....	18	7.17	7.62
Cunningham Com. Co., Little Rock, Ark. Pulaski Corn and Oat Chops.	1	676	12.18	13.00
	1	1314	13.06	13.00
	2	1629	13.00	13.00
	1	1928	12.25	13.00
	Average .....	5	12.62	13.00
Great Western Cereal Co., Nebraska City, Neb. Excelsior Corn and Oat Feed.	1	662	8.06	9.00
	1	1045	9.19	9.00
	4	1223	8.87	9.00
	1	1606	9.06	9.00
	1	2067	8.94	9.00
	1	2189	9.31	9.00
	Average .....	9	8.91	9.00
Great Western Cereal Co., Chicago, Ill. Boss Corn and Oat Feed.	10	1297	9.13	9.00
	5	1440	8.69	9.00
	2	1670	9.31	9.00
	6	1819	8.25	9.00
	7	1909	7.88	9.00
	1	2065	7.94	9.00
	1	2186	8.94	9.00
	Average .....	32	8.59	9.00

## OAT FEED.

Fat		Carbohydrates		Fiber		Water	Ash
% Found	% Guar- anteed	% Found	% Guar- anteed	% Found	% Guar- anteed	% Found	% Found
3.33	3.50	57.96	58.50	14.35	12.00	10.98	4.25
3.07	3.50	64.14	58.50	8.81	12.00	10.15	4.83
3.38	3.50	58.15	58.50	14.00	12.00	9.97	4.63
3.26	3.50	60.08	58.50	12.39	12.00	10.37	4.57
2.31	3.15	58.60	61.28	16.81	14.73	10.20	4.92
4.32	3.15	59.93	61.28	14.14	14.73	10.93	3.74
3.21	3.15	60.47	61.28	13.89	14.73	11.24	3.88
2.95	3.15	60.18	61.28	16.07	14.73	9.62	4.49
3.13	3.15	59.09	61.28	14.58	14.73	11.09	4.68
2.65	3.15	60.11	61.28	16.86	14.73	9.15	4.32
2.62	3.15	61.18	61.28	14.85	14.73	9.07	4.53
3.03	3.15	59.94	61.28	15.31	14.73	10.18	4.37
3.45	4.00	49.52	55.00	14.75	12.00	10.51	9.59
5.49	4.00	51.09	55.00	12.37	12.00	9.60	8.39
4.12	4.00	52.38	55.00	12.50	12.00	10.07	7.93
2.28	4.00	49.54	55.00	12.35	12.00	10.93	12.65
3.84	4.00	50.63	55.00	12.99	12.00	10.28	9.64
4.97	4.02	57.55	60.00	12.87	10.00	9.85	6.70
5.95	4.02	61.51	60.00	8.78	10.00	10.80	3.77
5.45	4.02	63.89	60.00	7.50	10.00	9.52	4.77
4.99	4.02	64.78	60.00	8.09	10.00	10.22	2.86
4.65	4.02	65.03	60.00	6.69	10.00	10.44	4.25
6.80	4.02	62.74	60.00	8.01	10.00	10.13	3.01
5.47	4.02	62.58	60.00	8.65	10.00	10.16	4.23
5.12	4.20	61.80	60.00	10.01	11.00	9.08	4.86
4.68	4.20	62.36	60.00	9.46	11.00	11.24	3.57
4.76	4.20	63.57	60.00	9.71	11.00	9.26	3.39
4.24	4.20	65.16	60.00	10.08	11.00	8.72	3.55
3.30	4.20	61.97	60.00	13.50	11.00	9.78	3.57
2.05	4.20	62.77	60.00	12.31	11.00	11.13	3.80
4.34	4.20	64.52	60.00	8.80	11.00	9.58	3.82
4.07	4.20	63.17	60.00	10.55	11.00	9.83	3.79

## CORN AND

Name of Manufacturer or Jobber and Brand	Number of Samples Composited	Station Number	Protein	
			% Found	% Guar- anteed
Quaker Oats Co., Cedar Rapids, Iowa. Banner Feed.	2	1474	8.81	8.00
	4	1627	8.94	8.00
	3	1908	9.31	8.00
	1	2148	8.98	8.00
	10		8.99	8.00
Schumacher Stock Feed.	1	1315	9.44	11.00
	3	1497	10.50	11.00
	4		9.97	11.00
Ralston Purina Co., St. Louis, Mo. Cereola Cow Feed.	1	1719	11.75	11.20
	2	1836	12.00	11.20
	3		11.88	11.20
	2	1646	11.69	10.00
	2	1835	11.25	10.00
Good Luck Alfalfa Feed. Corn, Oats and Alfalfa.	2	1937	11.75	10.00
	6		11.57	10.00
Peerless Feed.	4	651	7.38	7.40
	2	730	8.00	7.40
	4	963	8.10	7.40
	11	1238	7.94	7.40
	6	1401	8.86	7.40
	8	1518	7.16	7.40
	9	1642	7.94	7.40
	6	1791	6.87	7.40
	7	1879	9.06	7.40
	5	2016	10.10	7.40
	1	2190	11.25	7.40
	63		8.42	7.40
Peerless Alfalfa Feed. Corn, Oats and Alfalfa.	1	1584	10.25	10.00
	1	1929	11.28	10.00
Average .....	2		10.76	10.00

## OAT FEED.

Fat		Carbohydrates		Fiber		Water	Ash
%	%	%	%	%	%	%	%
Found	Guar- anteed	Found	Guar- anteed	Found	Guar- anteed	Found	Found
3.14	3.50	64.34	62.00	9.88	10.00	10.74	3.09
3.28	5.50	66.48	62.00	9.36	10.00	8.92	3.02
3.28	3.50	62.82	62.00	11.43	10.00	9.88	3.28
3.35	3.50	65.29	62.00	9.36	10.00	10.34	2.78
3.26	3.50	64.73	62.00	10.01	10.00	9.97	3.04
2.66	4.00	62.79	60.00	11.14	10.00	10.25	3.72
3.08	4.00	61.79	60.00	10.80	10.00	10.22	3.61
2.87	4.00	62.29	60.00	10.97	10.00	10.23	3.67
2.85	4.30	51.08	58.58	18.36	12.60	9.01	6.95
2.33	4.30	50.98	58.58	18.57	12.60	9.62	6.50
2.59	4.30	51.03	58.58	18.46	12.60	9.31	6.73
3.36	4.00	58.18	56.00	13.96	14.90	7.77	5.04
3.47	4.00	58.85	56.00	11.60	14.90	10.04	4.78
3.33	4.00	56.68	56.00	12.48	14.90	10.85	4.91
3.39	4.00	57.90	56.00	12.68	14.90	9.55	4.91
2.44	3.80	59.24	59.20	13.70	14.70	11.23	6.01
3.54	3.80	60.61	59.20	14.35	14.70	8.46	5.04
3.08	3.80	54.54	59.20	16.97	14.70	10.79	6.52
3.17	3.80	56.04	59.20	15.82	14.70	9.98	7.05
3.20	3.80	54.34	59.20	14.82	14.70	11.93	6.85
3.00	3.80	52.49	59.20	18.80	14.70	10.84	7.71
3.31	3.80	59.93	59.20	14.39	14.70	8.10	6.33
2.67	3.80	56.14	59.20	17.62	14.70	9.12	7.58
3.30	3.80	54.06	59.20	16.05	14.70	10.55	6.98
3.80	3.80	56.25	59.20	14.08	14.70	8.95	6.82
3.88	3.80	57.25	59.20	12.25	14.70	10.22	5.65
3.17	3.80	56.45	59.20	15.35	14.70	10.02	6.59
3.60	4.00	60.27	56.00	11.88	14.90	9.56	4.40
3.33	4.00	55.85	56.00	13.45	14.90	11.58	4.51
3.48	4.00	58.06	56.00	12.67	14.90	10.57	4.46



## CORN AND

Name of Manufacturer or Jobber and Brand	Number of Samples Compositied	Station Number	Protein	
			% Found	% Guaranteed
Ralston Purina Co., St. Louis, Mo. (Continued.)	3	993	9.63	10.00
	2	1282	9.83	10.00
	4	1359	10.69	10.00
Protena Alfalfa Feed.	3	1671	10.13	10.00
Alfalfa, Corn and Oats.	3	1811	10.46	10.00
	2	1943	11.06	10.00
	1	2063	10.81	10.00
	1	2193	10.06	10.00
Average .....	19		10.34	10.00
Purina Feed.	8	647	10.25	9.00
	5	693	10.31	9.00
	7	892	10.31	9.00
	2	1293	10.63	9.00
Average .....	22		10.38	9.00
Purina Feed, Fortified with Brewer's Grains.	9	1141	14.31	14.00
	6	1248	14.25	14.00
	20	1347	13.28	14.00
	5	1424	14.13	14.00
	13	1508	14.06	14.00
	31	1563	14.31	14.00
	17	1691	13.91	14.00
	1	1694	12.50	14.00
	14	1769	13.87	14.00
	17	1875	14.56	14.00
	1	1838	14.87	14.00
	6	2001	15.60	14.00
	5	2099	14.75	14.00
Average .....	125		14.18	14.00
Valley Milling Co., St. Louis, Mo. Chimo.	2	649	7.84	7.50
	3	1135	7.81	7.50
	10	1338	8.13	7.50
	6	1628	8.56	7.50
	2	1912	8.31	7.50
Average .....	23		8.13	7.50

## OAT FEED.

Fat		Carbohydrates		Fiber		Water	Ash
% Found	% Guar- anteed	% Found	% Guar- anteed	% Found	% Guar- anteed	% Found	% Found
3.72	4.00	59.87	56.00	11.90	14.90	9.85	5.03
3.50	4.00	56.31	56.00	14.72	14.90	9.48	6.11
2.99	4.00	54.81	56.00	15.35	14.90	10.50	5.66
3.26	4.00	58.02	56.00	13.08	14.90	10.71	4.80
2.90	4.00	57.75	56.00	13.77	14.90	9.72	5.40
3.38	4.00	55.81	56.00	13.95	14.90	11.43	4.37
3.50	4.00	57.76	56.00	12.02	14.90	11.55	4.36
3.74	4.00	62.26	56.00	9.19	14.90	11.28	3.48
3.37	4.00	57.82	56.00	13.00	14.90	10.57	4.90
3.73	4.50	58.52	59.70	12.37	13.30	10.84	4.29
4.50	4.50	59.60	59.70	12.34	13.30	8.62	4.63
4.18	4.50	58.32	59.70	12.10	13.30	10.52	4.57
4.06	4.50	61.10	59.70	11.42	13.30	8.76	4.03
4.11	4.50	59.39	59.70	12.05	13.30	9.69	4.38
5.48	6.00	59.73	60.00	8.33	6.90	9.21	2.94
5.08	6.00	59.94	60.00	7.37	6.90	10.20	3.16
4.82	6.00	59.80	60.00	7.53	6.90	11.20	3.37
4.71	6.00	55.97	60.00	9.56	6.90	11.65	3.98
4.42	6.00	59.27	60.00	8.51	6.90	9.98	3.76
4.92	6.00	57.32	60.00	8.34	6.90	11.33	3.78
4.67	6.00	59.52	60.00	8.82	6.90	9.68	3.40
4.39	6.00	61.58	60.00	8.30	6.90	9.48	3.75
6.33	6.00	57.54	60.00	8.15	6.90	9.83	4.28
4.75	6.00	57.90	60.00	8.60	6.90	10.83	3.36
5.13	6.00	59.09	60.00	9.23	6.90	8.05	3.63
4.75	6.00	56.82	60.00	9.00	6.90	9.95	3.88
4.42	6.00	56.52	60.00	8.92	6.90	11.58	3.81
4.91	6.00	58.54	60.00	8.54	6.90	10.21	3.62
3.73	4.50	60.27	59.40	13.44	14.00	10.36	4.36
4.35	4.50	59.95	59.40	12.73	14.00	10.99	4.17
4.44	4.50	60.97	59.40	12.54	14.00	9.65	4.27
4.23	4.50	61.22	59.40	13.11	14.00	8.71	4.17
3.33	4.50	61.24	59.40	12.25	14.00	10.58	4.29
4.01	4.50	60.73	59.40	12.82	14.00	10.06	4.25

## CORN AND

Name of Manufacturer or Jobber and Brand	Number of Samples Compositd	Station Number	Protein	
			% Found	% Guaranteed
Valley Milling Co., St. Louis, Mo. (Continued.)	5	648	7.81	7.50
	2	725	7.56	7.50
	10	863	7.94	7.50
	13	1105	8.38	7.50
	22	1240	8.31	7.50
Delta.	16	1343	7.94	7.50
	8	1436	7.94	7.50
	8	1507	7.63	7.50
	27	1560	8.44	7.50
	8	1693	8.19	7.50
	13	1776	8.21	7.50
	8	1884	7.75	7.50
	7	2015	7.94	7.50
	1	2159	8.44	7.50
	148		8.03	7.50
Mula Feed.	1	674	6.50	6.00
	1	775	7.25	6.00
	2	1076	7.88	6.00
	3	1322	8.31	6.00
	1	1972	8.25	6.00
Average .....	8		7.64	6.00
John Wade & Sons, Memphis, Tenn. Purity Feed.	1	1604	9.81	9.09
	1	2064	12.13	9.09
	2		10.97	9.09

## HOMINY

American Hominy Co., Mt. Vernon, Ind. Homco Feed.	1	794	10.69	9.52
	2	1153	11.13	9.52
	1	1540	10.19	9.52
	1	2147	11.13	9.52
Average .....	5		10.79	9.52
Hominy Feed.	2	1465	10.06	8.34
Atchison Live Stock Co., Atchison, Kan. Hominy Feed or Germ Feed.	1	779	9.93	8.00

## CAT FEED.

Fat		Carbohydrates		Fiber		Water	Ash
%	%	%	%	%	%	%	%
Found	Guar- anteed	Found	Guar- anteed	Found	Guar- anteed	Found	Found
3.46	4.50	60.83	59.40	12.65	14.00	10.73	4.52
6.51	4.50	61.01	59.40	11.56	14.00	9.37	3.99
4.86	4.50	61.58	59.40	11.25	14.00	10.76	3.61
4.50	4.50	61.39	59.40	12.05	14.00	9.70	3.98
4.09	4.50	62.36	59.40	12.34	14.00	8.62	4.28
4.65	4.50	61.68	59.40	11.34	14.00	10.10	4.29
4.22	4.50	61.24	59.40	12.50	14.00	9.86	4.24
4.14	4.50	61.82	59.40	12.08	14.00	9.81	4.52
4.26	4.50	60.37	59.40	12.73	14.00	10.06	4.14
3.94	4.50	61.73	59.40	13.15	14.00	8.97	4.02
4.03	4.50	62.42	59.40	11.84	14.00	9.32	4.18
3.90	4.50	64.50	59.40	12.00	14.00	7.98	3.87
3.48	4.50	60.63	59.40	14.03	14.00	9.53	4.39
2.92	4.50	65.67	59.40	8.85	14.00	11.07	3.05
4.21	4.50	62.02	59.40	12.03	14.00	9.70	4.01
3.10	4.00	60.63	51.00	13.50	17.00	10.71	5.56
3.37	4.00	59.72	51.00	14.45	17.00	11.10	4.11
3.77	4.00	61.50	51.00	12.97	17.00	9.92	3.96
3.89	4.00	61.06	51.00	13.05	17.00	9.64	4.05
3.05	4.00	62.99	51.00	12.30	17.00	10.45	2.96
3.44	4.00	61.18	51.00	13.26	17.00	10.36	4.12
4.13	4.15	63.91	60.56	8.78	8.89	10.15	3.22
2.75	4.15	63.26	60.56	7.44	8.89	10.98	3.44
3.44	4.15	63.59	60.56	8.11	8.89	10.56	3.33

## FEED.

8.16	9.42	65.88	67.89	3.35	3.28	9.27	2.65
8.78	9.42	65.30	67.89	3.28	3.28	8.62	2.89
8.57	9.42	65.19	67.89	3.91	3.28	9.36	2.78
8.31	9.42	64.09	67.89	4.81	3.28	8.81	2.85
8.45	9.42	65.11	67.89	3.84	3.28	9.02	2.79
8.17	7.75	65.34	65.78	4.15	4.25	9.64	2.64
7.39	5.50	63.31	40.50	5.44	20.00	10.98	2.95

## HOMINY

Name of Manufacturer or Jobber and Brand	Number of Samples Compositd	Station Number	Protein	
			% Found	% Guaranteed
T. H. Bunch & Co., Little Rock, Ark. Hominy Feed.	2	1517	9.69	8.70
	3	1683	9.56	8.70
	5	1801	8.56	8.70
	2	1940	8.44	8.70
	1	2157	9.00	8.70
Average .....	13		9.05	8.70
Cumberland & Liberty Mills, Nashville, Tenn. Hominy Feed.	3	719	11.31	10.50
	1	901	11.81	10.50
	2	1198	11.31	10.50
Average .....	6		11.47	10.50
Plymouth Milling Co., Le Mars, Iowa. Hominy Feed.	6	931	10.50	10.00
	6	1138	10.69	10.00
	2	1379	10.75	10.00
	1	1718	10.31	10.00
Average .....	15		10.56	10.00

## FEED

Blair Milling Co., Atchison, Kan. Blair's Feed Meal.	2	1075	10.13	9.62
	1	1411	9.72	9.62
Average .....	3		9.92	9.62
B. F. Glover & Son Commission Co., New Orleans, La. N. B. Cow Feed. Corn Meal and Rice Polish.	1	793	12.62	10.10
	5	1231	9.78	10.10
	3	1366	10.03	10.10
	3	1494	10.19	10.10
	4	1615	10.19	10.10
	3	1815	11.06	10.10
	6	1890	10.50	10.10
	5	2004	10.56	10.10
	2	2141	9.75	10.10
Average .....	32		10.52	10.10
New Orleans Milling Co., New Orleans, La. Corn Feed Meal.	5	721	9.94	9.13
	5	859	9.44	9.13
	4	1246	11.25	9.13
	1	1960	10.19	9.13
	1	2066	10.13	9.13
Average .....	16		10.19	9.13



## FEED.

Fat		Carbohydrates		Fiber		Water	Ash
% Found	% Guar- anteed	% Found	% Guar- anteed	% Found	% Guar- anteed	% Found	% Found
7.63	7.25	62.00	65.75	7.90	8.08	10.36	2.42
7.32	7.25	66.56	65.75	5.62	8.08	8.48	2.46
6.85	7.25	65.01	65.75	8.98	8.08	8.37	2.23
6.48	7.25	62.70	65.75	10.35	8.08	10.00	2.06
6.87	7.25	63.27	65.75	9.49	8.08	9.18	2.09
7.03	7.25	63.91	65.75	8.29	8.08	9.27	2.45
9.11	10.00	60.63	50.00	4.53	6.81	11.35	3.07
8.65	10.00	61.33	50.00	5.81	6.81	9.67	2.73
8.79	10.00	61.94	50.00	5.22	6.81	9.43	3.31
8.85	10.00	61.30	50.00	5.19	6.81	10.15	3.04
7.92	8.80	64.19	61.00	4.64	6.35	10.12	2.63
8.58	8.80	62.79	61.00	4.84	6.35	10.34	2.76
8.11	8.80	62.89	61.00	4.80	6.35	10.83	2.62
8.12	8.80	64.76	61.00	4.93	6.35	9.33	2.55
8.18	8.80	63.66	61.00	4.80	6.35	10.16	2.64

## MEAL.

6.83	6.85	67.01	60.25	3.81	5.38	9.67	2.55
7.96	6.85	63.59	60.25	5.04	5.38	11.05	2.64
7.40	6.85	65.30	60.25	4.42	5.38	10.36	2.60
6.41	6.90	63.89	64.26	3.91	6.60	9.98	3.19
3.79	6.90	73.18	64.26	1.55	6.60	10.11	1.59
3.70	6.90	71.20	64.26	2.27	6.60	11.14	1.66
3.07	6.90	72.10	64.26	2.29	6.60	10.81	1.54
2.64	6.90	74.62	64.26	1.73	6.60	9.65	1.17
3.40	6.90	71.81	64.26	3.19	6.60	9.41	1.13
3.68	6.90	69.54	64.26	4.05	6.60	10.48	1.75
2.60	6.90	73.36	64.26	1.85	6.60	9.90	1.73
2.72	6.90	73.14	64.26	1.93	6.60	10.85	1.61
3.55	6.90	71.43	64.26	2.53	6.60	10.26	1.71
7.40	7.37	65.78	67.60	5.24	7.37	9.05	2.59
6.74	7.37	65.25	67.60	5.21	7.37	11.12	2.24
6.26	7.37	67.11	67.60	3.54	7.37	9.61	2.23
7.45	7.37	65.07	67.60	6.43	7.37	8.50	2.36
6.17	7.37	66.27	67.60	5.11	7.37	10.14	2.18
6.80	7.37	65.90	67.60	5.11	7.37	9.68	2.32

## FEED

Name of Manufacturer or Jobber and Brand	Number of Samples Compositd	Station Number	Protein	
			% Found	% Guaranteed
Yates & Donelson Co., Memphis, Tenn. Feed Meal.	4	806	10.69	10.10
	2	969	11.31	10.10
	5	1295	11.13	10.10
	3	1916	10.75	10.10
Average .....	14		10.97	10.10

## BREWERS'

Anheuser Busch Brewing Association, St. Louis, Mo. Dried Brewers' Grain.	1	1375	22.19	24.00
Atlas Feed Products & Milling Co., New Orleans, La. Brewers' Grain.	2	644	25.00	22.00
	1	797	20.04	22.00
	3		22.52	22.00
Average .....	3		22.52	22.00
Houston Ice & Brewing Co., Houston, Texas. Dried Brewers' Grain.	2	769	25.19	23.19
	2	1222	26.44	23.19
	2	1525	26.31	23.19
	6		25.98	23.19
Average .....	6		25.98	23.19
R. H. Polack, New Orleans, La. Dried Brewers' Grain.	1	677	20.03	23.81
	2	752	19.31	23.81
	2	881	25.13	23.81
	6	1039	25.88	23.81
	7	1342	28.44	23.81
	6	1512	24.00	23.81
	3	1680	24.69	23.81
	2	1837	23.10	23.81
	2	1932	22.00	23.81
	3	2035	26.00	23.81
	2	2121	26.56	23.81
Average .....	36		24.11	23.81

## POULTRY

American Milling Co., Owensboro, Ky. Sucrene Poultry Feed.	1	1729	16.87	17.50
	1	2192	17.13	17.50
Average .....	2		17.00	17.50

## MEAL.

Fat		Carbohydrates		Fiber		Water	Ash
% Found	% Guar- anteed	% Found	% Guar- anteed	% Found	% Guar- anteed	% Found	% Found
7.14	6.90	63.65	64.25	5.61	6.60	10.54	2.37
6.88	6.90	64.15	64.25	4.88	6.60	10.42	2.36
7.84	6.90	64.18	64.25	6.13	6.60	8.25	2.47
6.80	6.90	64.23	64.25	6.75	6.60	8.95	2.52
7.17	6.90	64.05	64.25	5.84	6.60	9.54	2.43

## GRAIN

6.63	7.50	44.47	45.00	14.57	12.00	8.52	3.62
5.90	7.00	40.09	45.00	15.43	11.00	9.33	4.25
5.17	7.00	45.04	45.00	17.31	11.00	7.88	3.56
6.03	7.00	42.56	45.00	16.37	11.00	8.61	3.91
6.65	7.25	43.57	42.79	13.69	14.10	7.53	3.37
6.34	7.25	41.97	42.79	13.62	14.10	8.13	3.50
5.78	7.25	42.33	42.79	12.94	14.10	9.37	3.27
6.25	7.25	42.62	42.79	13.41	14.10	8.34	3.38
6.30	7.02	42.03	37.63	17.90	16.77	9.54	4.21
6.67	7.02	45.52	37.63	16.02	16.77	8.51	3.97
7.31	7.02	39.54	37.63	14.47	16.77	9.73	3.82
7.37	7.02	41.03	37.63	14.20	16.77	7.73	3.79
6.95	7.02	38.31	37.63	13.18	16.77	9.56	3.56
6.68	7.02	41.70	37.63	14.71	16.77	9.80	3.11
6.30	7.02	41.45	37.63	15.87	16.77	7.86	3.83
6.55	7.02	41.00	37.63	16.22	16.77	8.83	4.30
6.24	7.02	43.06	37.63	16.40	16.77	8.58	3.72
6.93	7.02	39.74	37.63	14.67	16.77	8.80	3.86
7.01	7.02	39.06	37.63	13.90	16.77	9.61	3.86
6.76	7.02	41.13	37.63	15.23	16.77	8.96	3.82

## FEED

6.77	5.50	49.77	50.00	9.72	12.00	10.59	6.28
5.65	5.50	50.83	50.00	9.93	12.00	10.69	5.77
6.21	5.50	50.30	50.00	9.83	12.00	10.64	6.02

## POULTRY

Name of Manufacturer or Jobber and Brand	Number of Samples Composed	Station Number	Protein	
			% Found	% Guaranteed
W. F. Chamberlain, St. Louis, Mo. Chamberlain Hen Feed.	2	1939	9.38	11.00
	1	2183	12.63	11.00
	3		11.01	11.00
Average .....				
	1	1982	11.44	12.00
	1	2182	12.06	12.00
Average .....	2		11.75	12.00
Corno Mills Co., East St. Louis, Ill.	7	1171	10.75	10.00
	3	1354	10.38	10.00
	4	1502	9.75	10.00
Corno Chick Feed.	4	1653	10.88	10.00
	3	1833	10.62	10.00
	2	1944	10.75	10.00
Average .....	1	2191	10.56	10.00
	24		10.53	10.00
Corno Hen Feed.	3	786	9.38	10.00
	5	929	11.50	10.00
	5	1102	11.75	10.00
Average .....	7	1170	10.19	10.00
	4	1294	10.69	10.00
	5	1503	10.38	10.00
Corno Hen Feed.	5	1598	10.63	10.00
	2	1702	9.53	10.00
	5	1793	10.00	10.00
Average .....	5	1895	10.31	10.00
	2	2052	10.69	10.00
	2	2113	10.69	10.00
Average .....	50		10.48	10.00
Darling & Co., Chicago, Ill. Beef Scraps.	2	980	61.44	55.65
	1	1530	62.37	55.65
	2	1750	66.37	55.65
Average .....	2	2140	56.13	55.65
	7		61.58	55.65
Darling's Chick Food.	1	1958	10.56	8.00

## FEED

Fat		Carbohydrates		Fiber		Water	Ash
%	%	%	%	%	%	%	%
Found	Guar- anteed	Found	Guar- anteed	Found	Guar- anteed	Found	Found
3.44	5.00	65.98	30.00	3.14	9.00	9.73	8.33
3.93	5.00	62.64	30.00	5.75	9.00	9.62	5.43
3.69	5.00	64.31	30.00	4.44	9.00	9.67	6.88
3.90	5.00	65.93	30.00	3.26	8.00	11.10	4.37
3.12	5.00	66.18	30.00	2.73	8.00	10.70	5.21
3.51	5.00	66.06	30.00	2.99	8.00	10.90	4.79
2.85	3.50	69.42	70.00	3.52	3.40	11.40	2.06
2.84	3.50	69.49	70.00	3.52	3.40	11.71	2.06
2.65	3.50	70.94	70.00	3.71	3.40	10.96	1.99
2.78	3.50	72.02	70.00	3.03	3.40	9.45	1.84
3.07	3.50	70.57	70.00	3.19	3.40	10.45	2.10
2.68	3.50	69.34	70.00	3.58	3.40	11.58	2.07
3.04	3.50	71.56	70.00	2.20	3.40	11.05	1.59
2.84	3.50	70.48	70.00	3.25	3.40	10.94	1.96
3.24	3.70	70.30	70.00	2.60	2.30	12.80	1.68
3.71	3.70	69.71	70.00	2.68	2.30	10.72	1.68
2.42	3.70	70.51	70.00	2.31	2.30	11.40	1.61
3.03	3.70	70.70	70.00	2.40	2.30	12.04	1.64
3.02	3.70	71.51	70.00	2.37	2.30	10.81	1.60
3.31	3.70	70.85	70.00	2.71	2.30	11.20	1.55
2.92	3.70	72.89	70.00	2.29	2.30	9.79	1.48
3.25	3.70	72.25	70.00	2.61	2.30	10.78	1.58
2.86	3.70	72.63	70.00	2.33	2.30	10.53	1.65
2.98	3.70	72.62	70.00	2.40	2.30	10.20	1.49
2.87	3.70	71.20	70.00	2.43	2.30	11.27	1.54
3.60	3.70	70.05	70.00	2.90	2.30	11.20	1.56
3.10	3.70	71.27	70.00	2.50	2.30	11.06	1.59
10.92	10.15	.....	.....	.....	.....	.....	.....
11.14	10.15	.....	.....	.....	.....	.....	.....
9.80	10.15	.....	.....	.....	.....	.....	.....
14.70	10.15	.....	.....	.....	.....	.....	.....
11.64	10.15	.....	.....	.....	.....	.....	.....
2.50	1.00	57.23	40.00	4.25	12.00	8.58	16.88



## POULTRY

Name of Manufacturer of Jobber and Brand	Number of Samples Compositd	Station Number	Protein	
			% Found	% Guaranteed.
Haspel & Davis, New Orleans, La. Rice Chicken Feed.	1	1011	8.19	5.00
B. F. Glover & Sons Com. Co., New Orleans, La. N. B. Chicken Feed. Sweepings, Corn and Oats.	1 6 4 3 2 4 3 1	788 1307 1469 1664 1834 1898 2033 2139	5.50 9.44 8.69 10.25 10.62 10.63 11.78 10.44	5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00
Average .....	22		9.67	5.00
Model Milling Co., Buffalo, N. Y. Model Growing Food. Cracked Corn, Peas and Seeds.	2	1447	12.00	12.40
Model Nursery Chick Food.	1	1585	11.50	11.86
People's Independent Rice Mill Co., Ltd., Crowley, La. Chicken Feed. Rice Grits, Sweepings, Weed Seeds.	3 2	1579 1832	8.25 7.84	9.12 9.12
Average .....	5		8.05	9.12
Ralston Purina Co., St. Louis, Mo. Purina Mill Feed, Chick Size.	4 6 5 6 10 13 7 4 1	985 1173 1253 1334 1506 1633 1773 1894 2185	11.31 11.19 11.50 11.31 11.06 11.63 11.25 11.69 12.00	11.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00
Average .....	56		11.44	11.00

## FEED.

Fat		Carbohydrates		Fiber		Water	Ash
% Found	% Guar- anteed	% Found	% Guar- anteed	% Found	% Guar- anteed	% Found	% Found
3.07	0.50	63.33	50.00	7.23	35.00	10.79	7.39
3.62	2.00	69.83	70.00	5.35	30.00	11.50	4.20
3.71	2.00	66.87	70.00	7.06	30.00	8.87	4.05
3.68	2.00	67.95	70.00	5.95	30.00	10.91	2.82
3.53	2.00	65.84	70.00	6.27	30.00	9.99	4.12
3.30	2.00	67.02	70.00	5.45	30.00	10.08	3.53
3.25	2.00	64.68	70.00	7.85	30.00	9.30	4.29
3.15	2.00	60.61	70.00	8.55	30.00	10.95	4.96
3.60	2.00	66.21	70.00	5.78	30.00	9.64	4.33
3.48	2.00	66.13	70.00	6.53	30.00	10.15	4.04
2.78	2.18	68.42	80.27	2.12	2.48	12.95	1.73
3.18	2.93	69.24	76.94	2.94	3.33	11.17	1.97
1.75	3.00	52.80	53.94	8.86	7.14	9.40	18.94
2.76	3.00	55.36	53.94	9.99	7.14	8.97	15.08
2.25	3.00	54.08	53.94	9.42	7.14	9.19	17.01
4.02	3.60	67.02	65.00	3.80	4.00	11.44	2.41
3.49	3.60	68.57	65.00	3.43	4.00	11.73	2.09
3.46	3.60	69.60	65.00	2.95	4.00	10.46	2.03
3.55	3.60	68.78	65.00	3.32	4.00	11.04	2.00
3.46	3.60	70.32	65.00	3.43	4.00	9.60	2.13
3.54	3.60	69.47	65.00	3.30	4.00	10.15	1.91
3.80	3.60	69.05	65.00	3.68	4.00	10.09	2.13
4.48	3.60	69.13	65.00	3.43	4.00	9.28	1.99
4.77	3.60	67.04	65.00	3.59	4.00	10.28	2.32
3.84	3.60	68.78	65.00	3.43	4.00	10.40	2.11

## POULTRY

Name of Manufacturer or Jobber and Brand	Number of Samples Compositd	Station Number	Protein	
			% Found	% Guaranteed
Ralston Purina Co.,	10	1162	10.69	11.00
St. Louis, Mo.	6	1255	10.50	11.00
(Continued.)	6	1335	10.81	11.00
	9	1441	11.06	11.00
	11	1580	11.25	11.00
Purina Mill Feed, Scratch Size.	5	1692	10.69	11.00
	8	1772	11.00	11.00
	6	1892	11.31	11.00
	1	2069	11.63	11.00
Average .....	62		10.99	11.00
	2	1095	17.13	17.00
	3	1298	16.94	17.00
Purina Mash.	2	1521	16.56	17.00
Ground Alfalfa, Corn Bran and Weed	2	1649	15.53	17.00
Seeds.	2	1851	16.31	17.00
	1	1985	16.69	17.00
Average .....	12		16.53	17.00
Purina Pigeon Feed.	2	1906	12.63	11.00
Steinmesch F. & P. S. Co.,	1	843	15.75	14.10
St. Louis, Mo.	1	1697	14.25	14.10
Steinmesch Early Breakfast Mash.	1	1841	14.00	14.10
Average .....	3		14.67	14.10
	2	827	12.06	12.60
Steinmesch Extra Quality Chick Feed.	2	1281	11.81	12.60
	3	1420	10.69	12.60
	1	1751	12.65	12.60
Average .....	8		11.81	12.60
	4	947	11.44	11.00
Steinmesch Select Hen Feed.	3	1358	11.31	11.00
	4	805	11.19	11.00
	2	1678	11.56	11.00
	1	1971	12.72	11.00
	2	2050	11.54	11.00
	1	2184	10.88	11.00
Average .....	17		11.52	11.00
	1	841	12.37	12.00
Steinmesch Select Pigeon Feed.	1	1533	11.38	12.00
	1	1966	11.50	12.00
Average .....	3		11.75	12.00

## FEED.

Fat		Carbohydrates		Fiber		Water	Ash
% Found	% Guar- anteed	% Found	% Guar- anteed	% Found	% Guar- anteed	% Found	% Found
3.07	3.60	69.86	65.00	3.24	4.00	11.26	1.88
3.27	3.60	69.77	65.00	3.74	4.00	10.76	1.96
3.25	3.60	69.86	65.00	3.33	4.00	10.90	1.85
2.91	3.60	68.30	65.00	3.47	4.00	12.30	1.96
2.83	3.60	69.27	65.00	3.56	4.00	10.80	2.29
2.76	3.60	71.69	65.00	3.09	4.00	10.11	1.66
3.17	3.60	70.40	65.00	3.42	4.00	10.13	1.88
3.15	3.60	69.15	65.00	3.63	4.00	11.03	1.73
3.96	3.60	67.31	65.00	3.88	4.00	11.23	1.99
3.15	3.60	69.52	65.00	3.48	4.00	10.95	1.91
2.93	5.00	51.91	44.00	10.93	11.50	11.58	5.52
2.76	5.00	58.15	44.00	9.41	11.50	7.53	5.21
2.42	5.00	53.89	44.00	10.53	11.50	11.19	5.41
2.61	5.00	55.78	44.00	11.65	11.50	9.60	4.83
2.84	5.00	55.76	44.00	11.65	11.50	7.71	5.73
2.80	5.00	54.61	44.00	9.78	11.50	10.98	5.14
2.73	5.00	55.01	44.00	10.66	11.50	9.76	5.31
2.65	3.60	68.86	65.00	3.35	4.00	10.68	1.83
4.05	3.00	47.25	40.00	11.19	8.00	9.09	12.67
3.07	3.00	53.00	40.00	10.85	8.00	9.88	8.95
4.18	3.00	51.41	40.00	12.68	8.00	8.58	9.15
3.77	3.00	50.55	40.00	11.57	8.00	9.18	10.26
6.78	3.10	56.33	30.00	5.75	9.00	9.57	9.51
4.36	3.10	58.61	30.00	6.47	9.00	9.17	9.58
3.20	3.10	61.23	30.00	5.34	9.00	10.63	8.91
5.73	3.10	53.98	30.00	6.22	9.00	8.79	12.63
5.02	3.10	57.53	30.00	5.94	9.00	9.54	10.16
3.53	3.00	65.29	30.00	4.24	9.00	10.69	4.81
2.85	3.00	62.27	30.00	3.92	9.00	10.55	9.10
3.79	3.00	60.18	30.00	4.94	9.00	9.80	10.10
3.16	3.00	67.05	30.00	3.94	9.00	9.78	4.51
5.00	3.00	62.54	30.00	6.25	9.00	9.70	3.79
4.02	3.00	60.24	30.00	4.77	9.00	10.13	9.30
3.12	3.00	63.33	30.00	4.92	9.00	10.03	7.72
3.64	3.00	62.98	30.00	4.71	9.00	10.10	7.05
3.53	3.60	63.31	30.00	5.00	9.00	10.78	5.01
3.27	3.60	61.99	30.00	5.51	9.00	9.73	8.12
3.88	3.60	67.23	30.00	4.43	9.00	9.30	3.66
3.56	3.60	64.17	30.00	4.98	9.00	9.94	5.60

## POULTRY

Name of Manufacturer or Jobber and Brand	Number of Samples Compositd	Station Number	Protein	
			% Found	% Guaranteed
Valley Milling Co., St. Louis, Mo.	3	787	10.47	6.50
Acme Chicken Feed.	4	940	7.62	6.50
	7	1169	9.69	6.50
	3	1242	9.44	6.50
Contains Shells.	4	1356	9.87	6.50
	6	1516	10.44	6.50
	5	1684	9.93	6.50
	3	1816	10.50	6.50
	1	1956	11.19	6.50
Average .....	36		9.91	6.50
Swift & Co., Chicago Ill.	1	1619	64.97	55.00
Swift's Beef Scraps.				
Swift's Blood Meal.	1	1620	83.86	87.00
Swift's Digester Tankage.	1	2149	57.13	60.00
Swift's Poultry Bone.	1	1621	26.75	25.00

## MISCELLANEOUS

B. F. Glover & Son Commission Co. New Orleans La.	3	1472	11.27	12.25
N. B. Barley and White Oats.	7	1551	11.50	12.25
N. B. Barley and Mixed Oats.	1	1869	11.44	12.25
Average .....	8		11.47	12.25
Moore Grocery Co. Kansas City Mo.	1	1218	11.06	8.00
Mixed Feed, Barley and Oats.				
Ralston Purina Co., St. Louis, Mo.	2	1376	12.66	16.00
Alfalfa Meal.	2	1519	20.69	20.00
Protena Dairy Feed.	1	1727	21.37	20.00
Alfalfa, Corn, Cotton Seed Meal and Wheat Products.				
Average .....	3		21.03	20.00
Davis & Andrews, Memphis, Tenn.	1	1700	10.56	7.00
Corn Bran.				



## FEED.

Fat		Carbohydrates		Fiber		Water	Ash
%	%	%	%	%	%	%	%
Found	Guar- anteed	Foun	Guar- anteed	Found	Guar- anteed.	Found	Found
2.92	3.00	64.82	55.00	3.18	15.00	9.19	9.42
3.01	3.00	67.54	55.00	3.37	15.00	9.60	8.86
3.16	3.00	59.43	55.00	3.18	15.00	9.84	14.70
2.79	3.00	60.15	55.00	3.34	15.00	9.31	14.97
2.96	3.00	60.31	55.00	4.11	15.00	10.00	12.75
2.79	3.00	58.50	55.00	3.97	15.00	9.69	14.61
2.82	3.00	63.69	55.00	2.57	15.00	8.70	12.29
3.59	3.00	63.22	55.00	2.61	15.00	9.43	10.65
3.45	3.00	66.42	55.00	3.25	15.00	10.50	5.19
3.06	3.00	62.68	55.00	3.28	15.00	9.58	11.49
9.79	10.00	.....	.....	.....	.....	.....	.....
13.56	6.00	.....	.....	.....	.....	.....	.....

## FEED.

3.90	3.00	61.52	61.17	9.37	10.00	10.56	3.38
4.11	4.25	61.97	59.57	8.92	9.25	10.28	3.22
3.95	4.25	61.45	59.57	10.95	9.25	8.55	3.66
4.03	4.25	61.71	59.57	9.94	9.25	9.41	3.44
4.48	3.00	62.24	40.00	9.49	15.00	9.27	3.46
1.66	2 00	35.39	35.00	31.20	29.50	11.00	8.09
5.53	3.50	40.75	48.00	16.79	16.00	10.50	5.74
6.03	3.50	39.71	48.00	17.01	16.00	10.00	5.88
5.78	3.50	40.23	48.00	16.90	16.00	10.25	5.81
6.77	4.96	61.26	55.04	9.45	13.35	9.68	2.28





